Bird List for the Commonwealth of Massachusetts

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Introduction

This continually-updated and annotated list of the birds of Massachusetts contains 448 species meeting the listing criteria discussed below. It is subject to constant review and change in light of new species records, reevaluation of old records, and changes in nomenclature and taxonomy. Although Massachusetts is a small state, there are significant geographical differences that make it impractical to assign exact dates of occurrence that work for the state as a whole. As a result, coded annotations give only a general occurrence status for each species in Massachusetts. A bibliography of regional, state and local avian faunal lists pertaining to Massachusetts is included and may contain information useful in particular localities.

Background

The first faunal list of Massachusetts birds—containing 160 species—was prepared in 1833 by Ebenezer Emmons (Birds. Pages 545-551 *in* E. Hitchcock, A report on the geology, mineralogy, botany and zoology of Massachusetts, J.S. & C. Adams, Amherst). Howe and Allen (*The Birds of Massachusetts*, privately printed, Cambridge, 1901) listed 320 species; Griscom and Snyder (*The Birds of Massachusetts*, Peabody Museum, Salem, 1955) 384. Blodget (*List of the Birds of Massachusetts*, Mass. Div. Fisheries and Wildlife, 1983) listed 427 species. Veit and Petersen (*Birds of Massachusetts*, Mass. Aud. Soc., Lincoln, Mass., 1993) and the Massachusetts Avian Records Committee ("MARC") List (*Bird Observer*, vol. 22, 1994) offer recent, very useful but more subjective treatments, each listing 460 species.

Area Covered

The area encompassed by this list includes all areas within the political boundaries of the Commonwealth of Massachusetts. Additionally, birds recorded up to 100 miles seaward in any direction from any point of land in Massachusetts (excluding records within the 3-mile limits of neighboring states) are arbitrarily included for purposes of this list. This includes the area normally visited by seabird trips departing from Massachusetts ports.

Listing Criteria

This is a criteria-driven list. The list follows, with modifications, the rules used by Bull (*The Birds of the New York Area*, Harper & Row, New York, 1964) in establishing a list of the birds of the New York City area. According to these rules as modified, a species is considered to be authentic for Massachusetts if at least one of the following three prerequisites is satisfied:

- 1) a specimen collected;
- 2) a recognizable and definitive photograph or video taken, examined by at least three qualified observers and documented in the literature; or
- 3) an unambiguous sight record of an easily identifiable species corroborated by three or more observers with extensive field experience in Massachusetts and documented in the literature.

Species which have been reported—some without doubt entirely correctly—but which do not meet at least one of the above authenticity criteria are classified as "problematical." Species which do appear to meet at least one of the criteria but, in the author's judgement (a) cannot be shown beyond reasonable doubt not to be escaped captives or (b) are based upon evidence requiring further evaluation and study, may also be classified as "problematical" species. A file of these species is maintained in the office of the State Ornithologist and is available for inspection.

Admission to the list is established by a specimen for 394 species (88%). Specimen evidence relies heavily upon the annotated list of Griscom and Snyder (*The Birds of Massachusetts*, Peabody Museum, Salem, 1955) and personal knowledge of specimens obtained subsequently. Where possible, attempts have been made to confirm the existence and location of the rarer specimens obtained through 1955. The existence of specimen and photographic evidence obtained subsequent to 1955 has also been verified to the extent possible. Details on sight records of rarer species reported after 1955 are primarily extracted from published reports in *American Birds*, *Bird Observer*, *The Chickadee*, *Bird News of Western Massachusetts* and Veit and Petersen (*Birds of Massachusetts*, Mass. Aud. Soc., 1993) supplemented by personal knowledge of the circumstances and (since 1992) discussions of the MARC.

Overview

Placing this list in perspective, its 448 species compare with 2,023 listed in the 7TH edition of the *Check-list of North American Birds* (American Ornithologists' Union, 1998) as amended through the 42ND Supplement (*Auk* 117:847-858, 2000). A total of 59 taxonomic families are represented on the list. By far the most strongly represented family is the Parulidae, with 43 species listed, of which 24 breed regularly. Other particularly well-represented families that reflect both the state's coastal location and a high percentage of passage-only species include the Anatidae (42 species, 13 regular breeders), Scolopacidae (41/5), Laridae (36/8) and Emberizidae (31/13). Of the 216 species that have been known to nest in Massachusetts (see below), approximately 125 (58%) are "neotropical migrants."

Out of the 448 species recognized, 138 (31%) are vagrants. Approximately 24 (17%) of these vagrant species may be dependably expected annually, while the balance of 114 (83%) are recorded less than annually. Out of the latter group, 80 (70%) have been observed in eight or fewer of the last 50 years. The reader is left to draw his own conclusions from the fact that 31 percent of all the species recorded from the Commonwealth are of vagrant status!

Based on the confirmation criteria employed by Sharrock (The Atlas of Breeding Birds in Britain and Ireland, Poyser, London, 1977), 216 species have positively nested at least on one occasion or formerly in Massachusetts. These 216 species break fairly conveniently into three groups. Group A contains 188 species currently expected as annual nesters in Massachusetts, although 57 of these are notably restricted in distribution and/or rare. *Group B* contains 22 species that do not nest annually in Massachusetts. Included here are: (1) peripheral species, exemplified by Ring-necked Duck, Hooded Warbler and Henslow's Sparrow, that are at the fringes of their normal range; (2) irruptives such as Pine Siskin and certain "northern finches" that nest unpredictably but sometimes in considerable numbers after winter invasions; and (3) species such as Least Sandpiper that have established isolated, extra-limital nesting records far from their normal range and are not likely to nest again in the near future. Group C includes 6 species that once nested in Massachusetts but no longer do so because they are either presumed extinct or have been extirpated as a nesting species for a decade or more. Three species that have never bred in Massachusetts and one extirpated species have had males holding territories in Massachusetts.

Forty species (9% of the total list) are classified as permanent residents, although the reader is cautioned that very few Massachusetts species are as sedentary as Ruffed Grouse and House Sparrow. Populations of some "permanent resident" species such as Black Duck, Brown Creeper and Song Sparrow may be seasonally eclipsed by migrants. Usually resident and migratory populations of the same species cannot be differentiated in the field with ease and individuals present at one location at different seasons may represent wholly different populations.

List Format and Symbols Used

This list follows nomenclature and taxonomy established by the *Check-list of North American Birds* (7th edition, American Ornithologists' Union, 1998) as amended through the 42ND Supplement (*Auk* 117:847-858, 2000). Vernacular names are followed by scientific names.

Four-letter species codes following the species names generally adhere to those listed in *North American Bird Banding, Vol. I* (Ottawa, Canada, 1991) with certain exceptions for which I have assigned codes. Codes are assigned to those species whose names have subsequently changed and whose former codes no longer make sense. I list only one general code for each species; i.e., banders' codes for certain easily recognizable subspecies are not listed. In addition, codes are assigned to certain game species and rare vagrants for which no codes appear to have been previously established by anyone. No codes are assigned to extinct species.

Frequency, rather than abundance, is treated in the following list. Codes adapted from Heinzel et al. (*The Birds of Britain and Europe*, J.B. Lippincott Co., Philadelphia, 1972) are used to indicate status, with upper case letters representing major status and italicized lower case letters minor status. The general status codes apply to Massachusetts as a whole and no attempt should be made to relate these codes to specific geographic locales such as Nantucket or the Connecticut Valley. The following letters and symbols are used:

- S,s Summer Resident
- W,*w* Winter Resident
- M,*m* Migrant
- V Regular Vagrant, annual
- A Accidental (= Irregular Vagrant, not annual)
- f expected principally in the fall
- * recorded in 8 or fewer of the last 50 years
- E Extinct; once occurred in Massachusetts; now no longer exists anywhere in the world
- + nests annually
- r notably rare and/or local nester; nesting occurs within a restricted geographic range and/or sparingly in suitable habitat
- i introduced species
- extirpated as a nesting species; has not nested in Massachusetts for a decade or more
- † nests unpredictably or accidentally
- σ males defending territories, nesting unconfirmed

Bracketed dates following extinct species (E) are the last years these species were recorded in Massachusetts. Similarly, bracketed dates following extirpated nesting species (‡) are the last years these species were known to breed in Massachusetts.

To cite three examples using this code, "r+Common Loon, *s*WM," translated means that the species is known in Massachusetts chiefly as both a migrant and a winter resident, although a minor summer population occurs and the species is a rare and local annual nester; "†Wilson's Phalarope, Mf" means that the species is expected principally as an autumnal migrant but also nests irregularly in Massachusetts; and "†Yellow-breasted Chat, *sw*M" denotes the species appears in Massachusetts chiefly as a migrant, but there are small numbers present in summer and winter and the species nests irregularly.

	Species	Code	Major / Minor Occurrence
	Gaviidae — Loons (3)		
	Red-throated Loon (Gavia stellata)	RTLO	wМ
	Arctic/Pacific Loon (G. arctica/pacifica)	ARLO/PALO	Α
r+	Common Loon (G. immer)	COLO	sWM
	Podicipedidae — Grebes (5)		
r+	Pied-billed Grebe (Podilymbus podiceps)	PBGR	swM
	Horned Grebe (Podiceps auritus)	HOGR	WM
	Red-necked Grebe (P. grisegena)	RNGR	wМ
	Eared Grebe (P. nigricollis)	EAGR	А
	Western Grebe (Aechmophorus occidentalis)	WEGR	А
	Procellariidae — Petrels & Shearwaters (6)		
	Northern Fulmar (Fulmarus glacialis)	NOFU	W
	Cory's Shearwater (Calonectris diomedea)	COSH	Sm
	Greater Shearwater (Puffinus gravis)	GRSH	SM
	Sooty Shearwater (P. griseus)	SOSH	SM
Ť	Manx Shearwater (P. puffinus)	MASH	sM
	Audubon's Shearwater (P. lherminieri)	AUSH	А
	Hydrobatidae — Storm-Petrels (3)		
	Wilson's Storm-Petrel (Oceanites oceanicus)	WISP	SM
	White-faced Storm-Petrel (Pelagodroma marina)	WFSP	A*
r+	Leach's Storm-Petrel (Oceanodroma leucorhoa)	LHSP	sM
	Phaethontidae — Tropicbirds (2)		
	White-tailed Tropicbird (Phaethon lepturus)	WTTR	A*
	Red-billed Tropicbird (P. aethereus)	RBTR	A*
	Sulidae — Boobies & Gannets (2)		
	Brown Booby (Sula leucogaster)	BRBO	A*
	Northern Gannet (Morus bassanus)	NOGA	swM
	Pelecanidae — Pelicans (2)		
	American White Pelican (Pelecanus erythrorhynchos)	AWPE	А
	Brown Pelican (P. occidentalis)	BRPE	A*

	Species	Code	Major / Minor Occurrence
	Phalacrocoracidae — Cormorants (2)		
+	Double-crested Cormorant (Phalacrocorax auritus)	DCCO	SM
Ť	Great Cormorant (P. carbo)	GRCO	Wm
	Fregatidae — Frigatebirds (1)		
	Magnificent Frigatebird (Fregata magnificens)	MAFR	A*
	Ardeidae — Bitterns & Herons (14)		
r+	American Bittern (Botaurus lentiginosus)	AMBI	Swm
r+	Least Bittern (Ixobrychus exilis)	LEBI	S
+	Great Blue Heron (Ardea herodias)	GTBH	SwM
r+	Great Egret (A. alba)	GREG	S
	Little Egret (<i>Egretta garzetta</i>)	LIEG	A*
	Western Reef-Heron (E. gularis)	WRHE	A*
r+	Snowy Egret (E. thula)	SNEG	Sm
r+	Little Blue Heron (E. caerulea)	LBHE	S
Ť	Tricolored Heron (E. tricolor)	TRHE	S
	Reddish Egret (E. rufescens)	REEG	A*
r+	Cattle Egret (Bubulcus ibis)	CAEG	S
+	Green Heron (Butorides virescens)	GRHE	Sm
r+	Black-crowned Night-Heron (Nycticorax nycticorax)	BCNH	Swm
Ť	Yellow-crowned Night-Heron (Nyctanassa violacea)	YCNH	S
	Threskiornithidae — Ibises (3)		
	White Ibis (Eudocimus albus)	WHIB	А
r+	Glossy Ibis (Plegadis falcinellus)	GLIB	Sm
	White-faced Ibis (P. chihi)	WFIB	A*
	Ciconiidae — Storks (1)		
	Wood Stork (Mycteria americana)	WOST	A*
	Cathartidae — American Vultures (2)		
Ť	Black Vulture (Coragyps atratus)	BLVU	V
+	Turkey Vulture (Cathartes aura)	TUVU	Swm
	Anatidae — Geese, Swans & Ducks (42)		
	Fulvous Whistling-Duck (Dendrocygna bicolor)	FUWD	А

	Species	Code	Major / Minor Occurrence
	Greater White-fronted Goose (Anser albifrons)	GWFG	А
	Snow Goose (Chen caerulescens)	SNGO	Μ
	Ross's Goose (C. rossii)	ROGO	A*
+	Canada Goose (Branta canadensis)	CAGO	R <i>w</i> M
	Brant (B. bernicla)	BRAN	wM
	Barnacle Goose (B. leucopsis)	BRNG	A*
+	Mute Swan (Cygnus olor)	MUSW	Ri
	Tundra Swan (C. columbianus)	TUSW	А
+	Wood Duck (Aix sponsa)	WODU	Swm
+	Gadwall (Anas strepera)	GADW	Swm
	Eurasian Wigeon (A. penelope)	EUWI	V
†	American Wigeon (A. americana)	AMWI	М
+	American Black Duck (A. rubripes)	ABDU	rWM
+	Mallard (A. platyrhynchos)	MALL	R
r+	Blue-winged Teal (A. discors)	BWTE	sM
r+	Northern Shoveler (A. clypeata)	NSHO	swM
†	Northern Pintail (A. acuta)	NOPI	swM
+	Green-winged Teal (A. crecca)	GWTE	swM
	Canvasback (Aythya valisineria)	CANV	WM
	Redhead (A. americana)	REDH	WM
†	Ring-necked Duck (A. collaris)	RNDU	wM
	Tufted Duck (A. fuligula)	TUDU	V
	Greater Scaup (A. marila)	GRSC	WM
	Lesser Scaup (A. affinis)	LESC	М
	Steller's Eider (Polysticta stelleri)	STEI	A*
	King Eider (Somateria spectabilis)	KIEI	W
r+	Common Eider (S. mollissima)	COEI	sW
	Harlequin Duck (Histrionicus histrionicus)	HARD	W
	Labrador Duck (Camptorhynchus labradorius) [1862]	—	E
	Surf Scoter (Melanitta perspicillata)	SUSC	WM
	White-winged Scoter (M. fusca)	WWSC	WM
	Black Scoter (M. nigra)	BLSC	WM
	Long-tailed Duck (Clangula hyemalis)	LTDU	WM
	Bufflehead (Bucephala albeola)	BUFF	WM
	Common Goldeneye (B. clangula)	COGO	WM

	Species	Code	Major / Minor Occurrence
	Barrow's Goldeneye (B. islandica)	BAGO	W
+	Hooded Merganser (Lophodytes cucullatus)	HOME	swM
r+	Common Merganser (Mergus merganser)	COME	sWM
t	Red-breasted Merganser (M. serrator)	RBME	sWM
	Masked Duck (Nomonyx dominicus)	MADU	A*
r+	Ruddy Duck (Oxyura jamaicensis)	RUDU	swM
	Accipitridae — Kites, Eagles & Hawks (15)		
r+	Osprey (Pandion haliaetus)	OSPR	SM
	Swallow-tailed Kite (Elanoides forficatus)	STKI	A*
	Mississippi Kite (Ictinia mississippiensis)	MIKI	А
r+	Bald Eagle (Haliaeetus leucocephalus)	BAEA	rsWM
	White-tailed Eagle (H. albicilla)	WTEA	A*
r+	Northern Harrier (Circus cyaneus)	NOHA	SwM
r+	Sharp-shinned Hawk (Accipiter striatus)	SSHA	swM
r+	Cooper's Hawk (A. cooperii)	COHA	swM
r+	Northern Goshawk (A. gentilis)	NOGO	RW <i>m</i>
+	Red-shouldered Hawk (Buteo lineatus)	RSHA	SwM
+	Broad-winged Hawk (B. platypterus)	BWHA	SM
	Swainson's Hawk (B. swainsoni)	SWHA	А
+	Red-tailed Hawk (B. jamaicensis)	RTHA	R <i>w</i> M
	Rough-legged Hawk (B. lagopus)	RLHA	Wm
	Golden Eagle (Aquila chrysaetos)	GOEA	Wm
	Falconidae — Falcons (5)		
	Eurasian Kestrel (Falco tinnunculus)	EUKE	A*
+	American Kestrel (F. sparverius)	AMKE	wSM
	Merlin (F. columbarius)	MERL	М
	Gyrfalcon (F. rusticolus)	GYRF	W
r+	Peregrine Falcon (F. peregrinus)	PEFA	rwM
	Phasianidae — Pheasants & Turkeys (4)		
+	Ring-necked Pheasant (Phasianus colchicus)	RINP	Ri
+	Ruffed Grouse (Bonasa umbellus)	RUGR	R
‡	Greater Prairie-Chicken (Heath Hen)		
	(Tympanuchus cupido cupido) [1931]	GPCH	E

	Species	Code	Major / Minor Occurrence
+	Wild Turkey (Meleagris gallopavo)	WITU	R
	Odontophoridae — Quail (1)		
+	Northern Bobwhite (Colinus virginianus)	NOBO	R
	Rallidae — Rails, Gallinules & Coots (9)		
	Yellow Rail (Coturnicops noveboracensis)	YERA	М
	Black Rail (Laterallus jamaicensis)	BLRA	A*
r+	Clapper Rail (Rallus longirostris)	CLRA	S
r+	King Rail (<i>R. elegans</i>)	KIRA	S
+	Virginia Rail (<i>R. limicola</i>)	VIRA	SwM
+	Sora (Porzana carolina)	SORA	SM
	Purple Gallinule (Porphyrula martinica)	PUGA	А
r+	Common Moorhen (Gallinula chloropus)	COMO	S
r+	American Coot (Fulica americana)	AMCO	swMf
	Gruidae — Cranes (1)		
	Sandhill Crane (Grus canadensis)	SACR	А
	Charadriidae — Plovers & Lapwings (9)		
	Northern Lapwing (Vanellus vanellus)	NOLA	A*
	Black-bellied Plover (Pluvialis squatarola)	BBPL	wМ
	American Golden-Plover (P. dominica)	AGPL	Mf
	Snowy Plover (Charadrius alexandrinus)	SNPL	A*
	Wilson's Plover (C. wilsonia)	WIPL	А
	Semipalmated Plover (C. semipalmatus)	SEPL	М
+	Piping Plover (C. melodus)	PIPL	Sm
+	Killdeer (C. vociferus)	KILL	SM
	Mountain Plover (C. montanus)	MOUP	A*
	Haematopodidae — Oystercatchers (1)		
+	American Oystercatcher (Haematopus palliatus)	AMOY	S
	Recurvirostridae — Stilts & Avocets (2)		
	Black-necked Stilt (Himantopus mexicanus)	BNST	А
	American Avocet (Recurvirostra americana)	AMAV	Mf

	Species	Code	Major / Minor Occurrence
	Scolopacidae — Sandpipers & Allies (41)		
	Greater Yellowlegs (Tringa melanoleuca)	GRYE	Μ
	Lesser Yellowlegs (T. flavipes)	LEYE	Μ
	Spotted Redshank (T. erythropus)	SPRE	A*
	Solitary Sandpiper (T. solitaria)	SOSA	Μ
+	Willet (Catoptrophorus semipalmatus)	WILL	SM
	Wandering Tattler (Heteroscelus incanus)	WATA	A*
+	Spotted Sandpiper (Actitis macularia)	SPSA	Sm
r+	Upland Sandpiper (Bartramia longicauda)	UPSA	sM
	Eskimo Curlew (Numenius borealis)[1913]	ESCU	Mf-E?
	Whimbrel (N. phaeopus)	WHIM	Mf
	Eurasian Curlew (N. arquata)	EUCU	A*
	Long-billed Curlew (N. americanus)	LBCU	A*
	Black-tailed Godwit (Limosa limosa)	BLAG	A*
	Hudsonian Godwit (L. haemastica)	HUGO	Mf
	Bar-tailed Godwit (L. lapponica)	BARG	А
	Marbled Godwit (L. fedoa)	MAGO	Mf
	Ruddy Turnstone (Arenaria interpres)	RUTU	wM
	Red Knot (Calidris canutus)	REKN	wM
	Sanderling (C. alba)	SAND	wM
	Semipalmated Sandpiper (C. pusilla)	SESA	Μ
	Western Sandpiper (C. mauri)	WESA	Mf
	Red-necked Stint (C. ruficollis)	RNST	A*
	Little Stint (C. minuta)	LIST	A*
Ť	Least Sandpiper (C. minutilla)	LESA	М
	White-rumped Sandpiper (C. fuscicollis)	WRSA	М
	Baird's Sandpiper (C. bairdii)	BASA	Mf
	Pectoral Sandpiper (C. melanotos)	PESA	М
	Sharp-tailed Sandpiper (C. acuminata)	SHAS	A*
	Purple Sandpiper (C. maritima)	PUSA	W
	Dunlin (<i>C. alpina</i>)	DUNL	wM
	Curlew Sandpiper (C. ferruginea)	CUSA	V
	Stilt Sandpiper (C. himantopus)	STSA	Mf
	Buff-breasted Sandpiper (Tryngites subruficollis)	BBSA	Mf
	Ruff (Philomachus pugnax)	RUFF	V

	Species	Code	Major / Minor Occurrence
	Short-billed Dowitcher (Limnodromus griseus)	SBDO	М
	Long-billed Dowitcher (L. scolopaceus)	LBDO	Mf
r+	Common Snipe (Gallinago gallinago)	COSN	swM
+	American Woodcock (Scolopax minor)	AMWO	SM
Ť	Wilson's Phalarope (Phalaropus tricolor)	WIPH	Mf
	Red-necked Phalarope (P. lobatus)	RNPH	Μ
	Red Phalarope (P. fulicaria)	REPH	М
	Laridae — Jaegers, Gulls, Terns & Skimmers (36)	
	Great Skua (Stercorarius skua)	GRSK	sWm
	South Polar Skua (S. maccormicki)	SPSK	Sm
	Pomarine Jaeger (S. pomarinus)	POJA	sM
	Parasitic Jaeger (S. parasiticus)	PAJA	sM
	Long-tailed Jaeger (S. longicaudus)	LTJA	М
r+	Laughing Gull (Larus atricilla)	LAGU	Sm
	Franklin's Gull (L. pipixcan)	FRGU	А
	Little Gull (L. minutus)	LIGU	SwM
Ť	Black-headed Gull (L. ridibundus)	BHGU	sWM
	Bonaparte's Gull (L. philadelphia)	BOGU	sWM
	Mew Gull (L. canus)	MEGU	А
†	Ring-billed Gull (L. delawarensis)	RBGU	sWM
+	Herring Gull (L. argentatus)	HERG	R
	Iceland Gull (L. glaucoides)	ICGU	W
	Lesser Black-backed Gull (L. fuscus)	LBBG	V
	Glaucous Gull (L. hyperboreus)	GLGU	W
+	Great Black-backed Gull (L. marinus)	GBBG	R
	Sabine's Gull (Xema sabini)	SAGU	Mf
	Black-legged Kittiwake (Rissa tridactyla)	BLKI	WM
	Ross's Gull (Rhodostethia rosea)	ROGU	A*
	Ivory Gull (Pagophila eburnea)	IVGU	A*
	Gull-billed Tern (Sterna nilotica)	GBTE	А
	Caspian Tern (S. caspia)	CATE	М
	Royal Tern (S. maxima)	ROYT	V
	Sandwich Tern (S. sandvicensis)	SATE	V
r+	Roseate Tern (S. dougallii)	ROST	Sm

	Species	Code	Major / Minor Occurrence
+	Common Tern (S. hirundo)	COTE	Sm
r+	Arctic Tern (S. paradisaea)	ARTE	Sm
Ť	Forster's Tern (S. forsteri)	FOTE	Vf
+	Least Tern (S. antillarum)	LETE	S
	Bridled Tern (S. anaethetus)	BRTE	A*
	Sooty Tern (S. fuscata)	SOTE	А
	White-winged Tern (Chlidonias leucopterus)	WWTE	A*
	Black Tern (C. niger)	BLTE	М
	Brown Noddy (Anous stolidus)	BRNO	A*
r+	Black Skimmer (Rynchops niger)	BLSK	S
	Alcidae — Auks, Murres & Puffins (8)		
	Dovekie (Alle alle)	DOVE	WM
	Common Murre (Uria aalge)	COMU	WM
	Thick-billed Murre (U. lomvia)	TBMU	WM
	Razorbill (Alca torda)	RAZO	WM
	Great Auk (Pinguinus impennis)[1700's]	_	Е
	Black Guillemot (Cepphus grylle)	BLGU	W
	Long-billed Murrelet (Brachyramphus perdix)	LBMU	A*
	Atlantic Puffin (Fratercula arcticus)	ATPU	W
	Columbidae — Pigeons & Doves (5)		
+	Rock Dove (Columba livia)	RODO	Ri
	Band-tailed Pigeon (C. fasciata)	BTPI	A*
	White-winged Dove (Zenaida asiatica)	WWDO	A*
+	Mourning Dove (Z. macroura)	MODO	R
*	Passenger Pigeon (Ectopistes migratorius) [1894]	—	Е
	Cuculidae — Cuckoos & Allies (3)		
	Common Cuckoo (Cuculus canorus)	COCU	A*
+	Black-billed Cuckoo (Coccyzus erythropthalmus)	BBCU	Sm
+	Yellow-billed Cuckoo (C. americanus)	YBCU	Sm
	Tytonidae – Barn Owls (1)		
r+	Barn Owl (Tyto alba)	BNOW	R

	Species	Code	Major / Minor Occurrence
	Strigidae — Typical Owls (11)		
+	Eastern Screech-Owl (Otus asio)	EASO	R
+	Great Horned Owl (Bubo virginianus)	GHOW	R
	Snowy Owl (Nyctea scandiaca)	SNOW	W
	Northern Hawk Owl (Surnia ulula)	NHOW	A*
	Burrowing Owl (Athene cunicularia)	BUOW	A*
+	Barred Owl (Strix varia)	BDOW	R
	Great Gray Owl (S. nebulosa)	GGOW	A*
r+	Long-eared Owl (Asio otus)	LEOW	
r+	Short-eared Owl (A. flammeus)	SEOW	Swm
	Boreal Owl (Aegolius funereus)	BOOW	A*
+	Northern Saw-whet Owl (A. acadicus)	NSWO	sWM
	Caprimulgidae — Goatsuckers (3)		
r+	Common Nighthawk (Chordeiles minor)	CONI	sM
	Chuck-will's-widow (Caprimulgus carolinensis)	CWWI	V
+	Whip-poor-will (C. vociferus)	WPWI	Sm
	Apodidae — Swifts (1)		
+	Chimney Swift (Chaetura pelagica)	CHSW	Sm
	Trochilidae — Hummingbirds (4)		
+	Ruby-throated Hummingbird (Archilochus colubris)	RTHU	sM
	Black-chinned Hummingbird (A. alexandri)	BCHU	A*
	Rufous Hummingbird (Selasphorus rufus)	RUHU	A*
	Allen's Hummingbird (S. sasin)	ALHU	A*
	Alcedinidae — Kingfishers (1)		
+	Belted Kingfisher (Ceryle alcyon)	BEKI	Swm
	Picidae — Woodpeckers (10)		
	Lewis's Woodpecker (Melanerpes lewis)	LEWO	A*
r+	Red-headed Woodpecker (M. erythrocephalus)	RHWO	<i>sw</i> Vf
r+	Red-bellied Woodpecker (M. carolinus)	RBWO	Rm
+	Yellow-bellied Sapsucker (Sphyrapicus varius)	YBSA	SM
+	Downy Woodpecker (Picoides pubescens)	DOWO	R
+	Hairy Woodpecker (P. villosus)	HAWO	R

	Species	Code	Major / Minor Occurrence
	Three-toed Woodpecker (P. tridactylus)	TTWO	A*
	Black-backed Woodpecker (P. arcticus)	BBWO	V
+	Northern Flicker (Colaptes auratus)	NOFL	SwM
+	Pileated Woodpecker (Dryocopus pileatus)	PIWO	R
	Tyrannidae — Tyrant Flycatchers (22)		
‡	Olive-sided Flycatcher (Contopus cooperi) [1991]	OSFL	sM
	Western Wood-Pewee (C. sordidulus)	WEPW	A*
+	Eastern Wood-Pewee (C. virens)	EAWP	Sm
	Yellow-bellied Flycatcher (Empidonax flaviventris)	YBFL	Μ
r+	Acadian Flycatcher (E. virescens)	ACFL	S
+	Alder Flycatcher (E. alnorum)	ALFL	Sm
+	Willow Flycatcher (E. traillii)	WIFL	Sm
+	Least Flycatcher (E. minimus)	LEFL	SM
	Hammond's Flycatcher (E. hammondii)	HAFL	A*
	Gray Flycatcher (E. wrightii)	GRFL	A*
+	Eastern Phoebe (Sayornis phoebe)	EAPH	SM
	Say's Phoebe (S. saya)	SAPH	Af
	Vermilion Flycatcher (Pyrocephalus rubinus)	VEFL	A*
	Ash-throated Flycatcher (Miarchus cinerascens)	ATFL	A*
+	Great Crested Flycatcher (M. crinitus)	GCFL	Sm
	Streaked/Sulphur-bellied Flycatcher		
	(Myiodynastes maculatus/luteiventris)	STFL/SBFL	A*
	Cassin's Kingbird (Tyrannus vociferans)	CAKI	A*
	Western Kingbird (T. verticalis)	WEKI	Vf
+	Eastern Kingbird (<i>T. tyrannus</i>)	EAKI	SM
	Gray Kingbird (T. dominicensis)	GRAK	A*
	Scissor-tailed Flycatcher (T. forficatus)	STFL	А
	Fork-tailed Flycatcher (T. savana)	FTFL	A*
	Laniidae — Shrikes (2)		
*	Loggerhead Shrike(Lanius ludovicianus) [1971]	LOSH	Μ
	Northern Shrike (L. excubitor)	NSHR	W
	Vireonidae — Vireos (6)		
+	White-eyed Vireo (Vireo griseus)	WEVI	Sm

	Species	Code	Major / Minor Occurrence
+	Yellow-throated Vireo (V. flavifrons)	YTVI	Sm
+	Blue-headed Vireo (V. solitarius)	BHVI	SM
+	Warbling Vireo (V. gilvus)	WAVI	Sm
	Philadelphia Vireo (V. philadelphicus)	PHVI	Mf
+	Red-eyed Vireo (V. olivaceus)	REVI	SM
	Corvidae — Jays, Magpies & Crows (6)		
	Gray Jay (Perisoreus canadensis)	GRAJ	А
+	Blue Jay (Cyanocitta cristata)	BLJA	RWM
	Eurasian Jackdaw (Corvus monedula)	EUJA	A*
+	American Crow (C. brachyrhynchos)	AMCR	R
+	Fish Crow (C. ossifragus)	FICR	R
r+	Common Raven (C. corax)	CORA	R
	Alaudidae — Larks (1)		
+	Horned Lark (Eremophila alpestris)	HOLA	sWM
	Hirundinidae — Swallows (8)		
r+	Purple Martin (Progne subis)	PUMA	Sm
	Brown-chested Martin (P. tapera)	BCMA	A*
+	Tree Swallow (Tachycineta bicolor)	TRES	SM
	Violet-green Swallow (T. thalissina)	VGSW	A*
+	No. Rough-winged Swallow (Stelgidopteryx serripennis)	NRWS	S
+	Bank Swallow (Riparia riparia)	BANS	SM
+	Cliff Swallow (Petrochelidon pyrrhonota)	CLSW	Sm
+	Barn Swallow (Hirundo rustica)	BARS	SM
	Paridae — Titmice (3)		
+	Black-capped Chickadee (Poecile atricapilla)	BCCH	R <i>m</i>
	Boreal Chickadee (P. hudsonica)	BOCH	Wm
+	Tufted Titmouse (Baeolophus bicolor)	TUTI	R <i>m</i>
	Sittidae — Nuthatches (2)		
+	Red-breasted Nuthatch (Sitta canadensis)	RBNU	RM
+	White-breasted Nuthatch (S. carolinensis)	WBNU	Rm

	Species	Code	Major / Minor Occurrence
	Certhiidae — Creepers (1)		
+	Brown Creeper (Certhia americana)	BRCR	RM
	Troglodytidae — Wrens (6)		
	Rock Wren (Salpinctes obsoletus)	ROWR	A*
+	Carolina Wren (Thryothorus ludovicianus)	CARW	R
+	House Wren (Troglodytes aedon)	HOWR	SM
+	Winter Wren (T. troglodytes)	WIWR	SwM
Ť	Sedge Wren (Cistothorus platensis)	SEWR	S
+	Marsh Wren (C. palustris)	MAWR	Sm
	Regulidae — Kinglets (2)		
r+	Golden-crowned Kinglet (Regulus satrapa)	GCKI	sWM
Ť	Ruby-crowned Kinglet (R. calendula)	RCKI	swM
	Silviidae — Gnatcatchers (1)		
+	Blue-gray Gnatcatcher (Polioptila caerulea)	BGGN	SM
	Turdidae — Bluebirds & Thrushes (13)		
	Northern Wheatear (Oenanthe oenanthe)	NOWH	Af
+	Eastern Bluebird (Sialia sialis)	EABL	SwM
	Mountain Bluebird (S. currucoides)	MOBL	A*
	Townsend's Solitaire (Myadestes townsendi)	TOSO	A*
+	Veery (Catharus fuscescens)	VEER	Sm
	Gray-cheeked Thrush (C. minimus)	GCTH	Μ
ŧ	Bicknell's Thrush (C. bicknelli) [1972]	BITH	М
r+	Swainson's Thrush (C. ustulatus)	SWTH	sM
+	Hermit Thrush (C. guttatus)	HETH	SwM
+	Wood Thrush (Hylocichla mustelina)	WOTH	Sm
	Fieldfare (Turdus pilaris)	FIEL	A*
+	American Robin (T. migratorius)	AMRO	SwM
	Varied Thrush (Ixoreus naevius)	VATH	А
	Mimidae — Mimic Thrushes (4)		
+	Gray Catbird (Dumetella carolinensis)	GRCA	SwM
+	Northern Mockingbird (Mimus polyglottos)	NOMO	R

Species	Code	Major / Minor Occurrence
Sage Thrasher (Oreoscoptes montanus)	SATH	A*
Brown Thrasher (Toxostoma rufum)	BRTH	SM
Sturnidae — Starlings (1)		
European Starling (Sturnus vulgaris)	EUST	Ri
Motacillidae — Pipits (2)		
American Pipit (Anthus rubescens)	AMPI	М
Sprague's Pipit (A. spragueii)	SPPI	A*
Bombycillidae — Waxwings (2)		
•	BOWA	V
	CEDW	SwM
		Sm
		Sm
		М
Orange-crowned Warbler (V. celata)		Mf
Nashville Warbler (V. ruficapilla)		SM
Lucy's Warbler (V. luciae)	LUWA	A*
Northern Parula (Parula americana)	NOPA	sM
Yellow Warbler (Dendroica petechia)	YWAR	SM
Chestnut-sided Warbler (D. pensylvanica)	CSWA	SM
Magnolia Warbler (D. magnolia)	MAWA	SM
Cape May Warbler (D. tigrina)	CMWA	М
Black-throated Blue Warbler (D. caerulescens)	BTBW	SM
Yellow-rumped Warbler (D. coronata)	YRWA	SWM
Black-throated Gray Warbler (D. nigrescens)	BTYW	A*
Black-throated Green Warbler (D. virens)	BTNW	SM
Townsend's Warbler (D. townsendi)	TOWA	A*
Hermit Warbler (D. occidentalis)	HEWA	A*
Blackburnian Warbler (D. fusca)	BLBW	SM
Yellow-throated Warbler (D. dominica)	YTWA	V
Pine Warbler (D. pinus)	PIWA	Sm
Prairie Warbler (D. discolor)	PRAW	S
	Sage Thrasher (Oreoscoptes montanus) Brown Thrasher (Toxostoma rufum) Sturnidae — Starlings (1) European Starling (Sturnus vulgaris) Motacillidae — Pipits (2) American Pipit (Anthus rubescens) Sprague's Pipit (A. spragueii) Bombycillidae — Waxwings (2) Bohemian Waxwing (Bombycilla garrulus) Cedar Waxwing (B. cedrorum) Parulidae — Wood-Warblers (43) Blue-winged Warbler (Vermivora pinus) Golden-winged Warbler (V. chrysoptera) Tennessee Warbler (V. peregrina) Orange-crowned Warbler (V. celata) Nashville Warbler (V. ruficapilla) Lucy's Warbler (V. luciae) Northern Parula (Parula americana) Yellow Warbler (D. nagnolia) Chestnut-sided Warbler (D. caerulescens) Yellow Warbler (D. tigrina) Black-throated Blue Warbler (D. caerulescens) Yellow-rumped Warbler (D. coronata) Black-throated Gray Warbler (D. nigrescens) Black-throated Gray Warbler (D. virens) Townsend's Warbler (D. townsendi) Hermit Warbler (D. occidentalis) Blackburnian Warbler (D. dominica) Pine Warbler (D. pinus)	Sage Thrasher (Oreoscoptes montanus)SATHBrown Thrasher (Toxostoma rufum)BRTHSturnidae — Starlings (1)European Starling (Sturnus vulgaris)EUSTMotacillidae — Pipits (2)American Pipit (Anthus rubescens)AMPISprague's Pipit (A. spragueii)SPPIBombycillidae — Waxwings (2)Bohemian Waxwing (Bombycilla garrulus)BOWACedar Waxwing (B. cedrorum)CEDWParulidae — Wood-Warblers (43)BWWABlue-winged Warbler (Vermivora pinus)BWWAGolden-winged Warbler (V. celata)OCWAOrange-crowned Warbler (V. celata)OCWANashville Warbler (V. ruficapilla)NAWALucy's Warbler (D. nagnolia)MWAChestnut-sided Warbler (D. pensylvanica)CSWAMagnolia Warbler (D. magnolia)MAWACape May Warbler (D. tigrina)CMWABlack-throated Blue Warbler (D. coronata)YRWABlack-throated Green Warbler (D. nigrescens)BTBWYellow-rumped Warbler (D. nigrescens)BTBWYellow-rumped Warbler (D. nigrescens)BTBWYellow-rumped Warbler (D. nigrescens)BTBWYellow-rumped Warbler (D. nigrescens)BTWYellow-rumped Wa

	Species	Code	Major / Minor Occurrence
	Palm Warbler (D. palmarum)	PMWA	М
	Bay-breasted Warbler (D. castanea)	BBWA	Μ
r+	Blackpoll Warbler (D. striata)	BLPW	sM
r+	Cerulean Warbler (D. cerulea)	CERW	sM
+	Black-and-white Warbler (Mniotilta varia)	BAWW	SM
+	American Redstart (Setophaga ruticilla)	AMRE	SM
t	Prothonotary Warbler (Protonotaria citrea)	PROW	V
r+	Worm-eating Warbler (Helmitheros vermivorus)	WEWA	Sm
	Swainson's Warbler (Limnothlypis swainsonii)	SWWA	A*
+	Ovenbird (Seiurus aurocapillus)	OVEN	SM
+	Northern Waterthrush (S. noveboracensis)	NOWA	sM
+	Louisiana Waterthrush (S. motacilla)	LOWA	S
ď	Kentucky Warbler (Oporornis formosus)	KEWA	V
	Connecticut Warbler (O. agilis)	CONW	Mf
r+	Mourning Warbler (O. philadelphia)	MOWA	sM
	MacGillivray's Warbler (O. tolmiei)	MGWA	A*
+	Common Yellowthroat (Geothlypis trichas)	COYE	SM
t	Hooded Warbler (Wilsonia citrina)	HOWA	sV
	Wilson's Warbler (W. pusilla)	WIWA	М
+	Canada Warbler (W. canadensis)	CAWA	SM
	Painted Redstart (Myioborus pictus)	PARE	A*
t	Yellow-breasted Chat (Icteria virens)	YBCH	swM
	Thraupidae — Tanagers (3)		
	Summer Tanager (Piranga rubra)	SUTA	V
+	Scarlet Tanager (P. olivacea)	SCTA	SM
	Western Tanager (P. ludoviciana)	WETA	А
	Emberizidae — Towhees, Sparrows & Allies (3	1)	
	Green-tailed Towhee (Pipilo chlorurus)	GTTO	A*
	Spotted Towhee (P. maculatus)	SPTO	A*
+	Eastern Towhee (P. erythrophthalmus)	EATO	Sm
	American Tree Sparrow (Spizella arborea)	ATSP	Wm
+	Chipping Sparrow (S. passerina)	CHSP	Sm
ď	Clay-colored Sparrow (S. pallida)	CCSP	Af
	Brewer's Sparrow (S. breweri)	BRSP	A*

	Species	Code	Major / Minor Occurrence
+	Field Sparrow (S. pusilla)	FISP	Swm
r+	Vesper Sparrow (Pooecetes gramineus)	VESP	Sm
	Lark Sparrow (Chondestes grammacus)	LASP	Vf
	Lark Bunting (Calamospiza melanocorys)	LARB	Vf
+	Savannah Sparrow (Passerculus sandwichensis)	SAVS	SwM
r+	Grasshopper Sparrow (Ammodramus savannarum)	GRSP	Sm
t	Henslow's Sparrow (A. henslowii)	HESP	S
	LeConte's Sparrow (A. leconteii)	LCSP	А
	Nelson's Sharp-tailed Sparrow (A. nelsoni)	NSTS	М
+	Saltmarsh Sharp-tailed Sparrow (A. caudacutus)	SSTS	Sm
r+	Seaside Sparrow (A. maritimus)	SESP	Sw
	Fox Sparrow (Passerella iliaca)	FOSP	wM
+	Song Sparrow (Melospiza melodia)	SOSP	RSM
r+	Lincoln's Sparrow (M. lincolnii)	LISP	sM
+	Swamp Sparrow (M. georgiana)	SWSP	SwM
+	White-throated Sparrow (Zonotrichia albicollis)	WTSP	SwM
	Harris's Sparrow (Z. querula)	HASP	А
	White-crowned Sparrow (Z. leucophrys)	WCSP	М
	Golden-crowned Sparrow (Z. atricapilla)	GCSP	A*
+	Dark-eyed Junco (Junco hyemalis)	DEJU	sWM
	McCown's Longspur (Calcarius mccownii)	MCLO	A*
	Lapland Longspur (C. lapponicus)	LALO	wM
	Chestnut-collared Longspur (C. ornatus)	CCLO	A*
	Snow Bunting (Plectrophenax nivalis)	SNBU	WM
	Cardinalidae — Cardinals (7)		
+	Northern Cardinal (Cardinalis cardinalis)	NOCA	R
+	Rose-breasted Grosbeak (Pheucticus ludovicianus)	RBGR	SM
	Black-headed Grosbeak (P. melanocephalus)	BHGR	А
ď	Blue Grosbeak (Guiraca caerulea)	BLGR	V
+	Indigo Bunting (Passerina cyanea)	INBU	Sm
	Painted Bunting (P. ciris)	PABU	А
ď‡	Dickcissel (Spiza americana)[last bred c. 1877]	DICK	Vf

	Species	Code	Major / Minor Occurrence
	Icteridae — Blackbirds, Orioles & Allies (12)		
+	Bobolink (Dolichonyx oryzivorus)	BOBO	SM
+	Red-winged Blackbird (Agelaius phoeniceus)	RWBL	SM
+	Eastern Meadowlark (Sturnella magna)	EAME	Swm
	Western Meadowlark (S. neglecta)	WEME	А
	Yellow-headed Blkbd. (Xanthocephalus xanthocephalus)	YHBL	Vf
r+	Rusty Blackbird (Euphagus carolinus)	RUBL	sM
	Brewer's Blackbird (E. cyanocephalus)	BRBL	Af
+	Common Grackle (Quiscalus quiscula)	COGR	SwM
+	Brown-headed Cowbird (Molothrus ater)	BHCO	SwM
+	Orchard Oriole (Icterus spurius)	OROR	S
	Bullock's Oriole (I. bullockii)	BUOR	A*
+	Baltimore Oriole (<i>I. galbula</i>)	BAOR	SM
	Fringillidae — Fringilline Finches (10)		
	Pine Grosbeak (Pinicola enucleator)	PIGR	W
+	Purple Finch (Carpodacus purpureus)	PUFI	SWM
+	House Finch (C. mexicanus)	HOFI	R
t	Red Crossbill (Loxia curvirostra)	RECR	sWM
	White-winged Crossbill (L. leucoptera)	WWCR	WM
	Common Redpoll (Carduelis flammea)	CORE	WM
	Hoary Redpoll (C. hornemannî)	HORE	А
Ť	Pine Siskin (C. pinus)	PISI	sWM
+	American Goldfinch (C. tristis)	AMGO	R
r+	Evening Grosbeak (Coccothraustes vespertinus)	EVGR	sWM
	Passeridae — Old World Sparrows (1)		
+	House Sparrow (Passer domesticus)	HOSP	Ri

Bibliography

- Allen, J.A. 1886. A revised list of the birds of Massachusetts. *Bull. Amer. Mus. Nat. Hist.* 1:221-271, 291.
- Andrews, E.F. and K.T. Blackshaw. 1984. Birding Nantucket. Privately printed. 40pp.

Andrews, J.W. 1991. Birds of the Great Meadows in Lexington, Massachusetts: A Field Survey. Mystic River Watershed Assoc. 17pp. +appendices.

Andros, F.W. 1887. A list of the birds of Bristol County, Mass. Ornith. Ool. 12:137-141.

Anonymous. 1998. A Checklist of the Birds of Massachusetts. Mass. Aud. Soc. [very useful foldout, bar-coded list based on data compiled by Richard A. Forster].

Bagg, A.C. and S.A. Eliot, Jr. 1937. Birds of the Connecticut Valley in Massachusetts. Hampshire Bookshop, Northampton, Mass. 813pp.

Bailey, W. 1955. Birds in Massachusetts: When and Where to Find Them. Mass. Aud. Soc. 234pp.

Bailey, W. 1968. Birds of the Cape Cod National Seashore and Adjacent Areas. Eastern National Parks Monument Assoc. 120pp.

Bradbury, R.C. 1992. Bird List of Worcester County, Massachusetts (1931-1991). Mass. Aud. Soc. 14pp.

Brewer, T.M. 1875. Catalogue of the birds of New England, with brief notes indicating the manner and character of their presence; with a list of species included in previous catalogues believed to have been wrongly classed as birds of New England. *Proc. Boston Soc. Nat. Hist.* 17:436-454.

Brewster, W. 1888. Notes on the birds of Winchendon, Worcester County, Massachusetts. Auk 5:386-393.

Brewster, W. 1906. The Birds of the Cambridge Region of Massachusetts. *Memoirs of the Nuttall Ornithological Club* 4, 426pp.

Brounstein, M. 1925. The Birds of the Boston Public Garden, 1921-1924. H.W. Bailey Press, S. Braintree, Mass. 44pp.

Clark, H.L. 1906. Birds of Amherst and Hampshire County, Mass. Carpenter & Morehouse, Amherst. 96pp. [second ed.].

Coker, R.E. 1926. Fauna of Penikese Island, 1923. *Biol. Bull.* (Marine Biological Laboratory) 50:17-37, January.

Colburn, W.W. and R.O. Morris. 1891. The Birds of the Connecticut Valley in Massachusetts. C.W. Bryan & Co., Springfield. 24pp.

DeGraaf, R.M. and D.D. Rudis. 1986. Birds. Pages 111-383 *In* New England Wildlife: habitat, natural history, and distribution. Gen. Tech. Rep. NE-108. Broomall, PA: U.S. Dept. Agric., Forest Service, Northeastern Forest Experiment Station. 491pp.

Emmons, E. 1833. A catalogue of the animals and plants in Massachusetts. II. Birds. Pages 545-551 In E. Hitchcock. A report on the geology, mineralogy, botany and zoology of Massachusetts. J.S. & C. Adams, Amherst, Mass. 702pp.

Essex County Ornithological Club of Massachusetts, Inc. 1921-1988. Field list of the birds of Essex County, Massachusetts. [1st ed. 1921, A.P. Stubbs (comp.); 2nd ed. 1934, S.G. Emilio (comp.); 3rd ed. 1945, S.G. Emilio (comp.); 4th ed. 1952, S.K. Harris (comp.); 5th ed. 1975, S.P. Ingalls (comp.); 6th ed. 1988, J. MacDougall (comp)]. Peabody Mus., Salem, Mass.

Faxon, W. and R. Hoffmann. 1900. The birds of Berkshire County, Massachusetts. Col. Berks. Hist. and Sci. Soc. 3:107-166.

Faxon, W. and R. Hoffmann. 1922. Supplementary notes on the birds of Berkshire County, Massachusetts. *Auk* 39:65-72.

Forbes, H.S. 1978. Birds of Naushon and Adjacent Islands. Mass. Aud. Soc., Lincoln, Mass. vii+18pp.

- Forbush, E.H. 1922. Birds of the Provincetown region, pp. 178-188 *In* N.W.P. Smith, The Provincetown Book. Tolman Print, Inc., Brockton, Mass. 206pp.
- Forbush, Edward H. 1925-29. Birds of Massachusetts and Other New England States (3 vols.). Comm. of Mass., Dept. of Agric. xxxi+481pp., 1+461pp., xlviii+466pp. and 93pl.
- Griscom, L. 1949. The Birds of Concord. Harvard Univ. Press, Cambridge. 340pp.
- Griscom, L. 1955. Plum Island and its Bird Life. Mass. Aud. Soc. 24pp.
- Griscom, L. and G. Emerson. 1959. Birds of Martha's Vineyard. Privately printed. 164pp.
- Griscom, L. and E.V. Folger. 1948. The Birds of Nantucket. Harvard Univ. Press, Cambridge. 156pp.
- Griscom, L. and D.E. Snyder. 1955. The Birds of Massachusetts. Peabody Mus., Salem, Mass. 295pp.
- Hendricks, B. 1994. Birds of Berkshire County. The Berkshire Museum, Pittsfield, Mass. 71pp.
- Heppner, F.H. and L.L. Gould. 1973. Birds of the Atlantic seaboard from Cape Hatteras to Cape Cod. Pp. 8-1 to 8-138 *In* Coastal and Offshore Environmental Inventory. Cape Hatteras to Nantucket Shoals. Vol. 1. Univ. R.I., Kingston, Marine Publ. Series No. 2.
- Hill, N.P. 1965. The Birds of Cape Cod, Massachusetts. W. Morrow and Co., New York. 364pp.
- Howe, R.H., Jr. 1897. The Birds of Brookline. Pp. 173-184 *In* C.K. Bolton. Brookline: The History of a Favored Town. C.A.W. Spencer, Brookline, Mass. 213pp.
- Howe, R.H., Jr. 1899. Birds of Hubbardston, Massachusetts, and vicinity. Pp. 78-88, 159-162 *In* On the Bird's Highway. Sherman, French & Co., Boston. 175pp.
- Howe, R.H., Jr. 1900. Birds of Brookline. Brookline Chronicle: 10 March, 17 March, 24 March, 31 March, 19 May, 26 May, 2 June and 1 December.
- Howe, R.H., Jr. and G.M. Allen. 1901. The Birds of Massachusetts. Publ. by subscription, Cambridge, Mass. 154pp.
- Ingalls, C.E. 1889. Birds of Templeton and the adjoining towns. Gardner News 20(52); 1 June.
- Ingalls, C.E. 1904. A revised list of the birds of Templeton and adjoining towns. *Gardner Journal* 21 and 28 April.
- Morris, R.O. 1901. The Birds of Springfield and Vicinity. H.R. Johnson, Springfield, Mass. 54pp.
- McMenemy, F.X. and B.G. Blodget. 1993. Worcester County Checklist and Reporting Form. [lightly annotated giving estimated period of occurrence.] Forbush Bird Club, Worcester, Mass.
- Parker, W.P. and H.A. Ball. 1911. Birds of Worcester County. Worcester Nat. Hist. Soc., Worcester, Mass. 28pp.
- Pease, R. 1985. The Birds of Sandwich & Barnstable on Cape Cod Bay. Wayside Studio. unpaged.
- Reinert, S.E. and H.J. Kilpatrick. 1986. Bird Census at Allens Pond Coastal Complex, South Dartmouth, Massachusetts: a Preliminary Report. Lloyd Ctr. for Environmental Studies Res. Rep. 86-4. 24pp.
- Riggs, A.F., II. 1947. Notes on the Birds of Groton in Massachusetts. New England Faunal Studies No. 1. Mass. Aud. Soc., Boston. 49pp.
- Root, O.M. 1957-58. The birds of the Andover region. *Bull. Mass. Aud. Soc.* 41:459-467 and 42:5-15, 79-87, 119-125.
- Samuels, E.A. 1870. The Birds of New England. Noyes, Holmes & Co., Boston. vii+591pp.
- Sanborn, A.W. 1958. The Birds of Pleasant Valley Sanctuary in Lenox, Massachusetts, pp. 29-35 *In* Anon, A Guide to Pleasant Valley. Mass. Aud. Soc. 35pp.
- Snyder, D.E. 1954. Mount Greylock produces interesting bird life. *Bull. Mass. Aud. Soc.* 38:245-254. [revised version of the 1946 list].
- Snyder, D.E. 1978. Marblehead Neck Sanctuary. Bird Obs. Eastern Mass. 6:157-165 [30-year summary, 1946-1977].
- Stearns, W.A. 1875. Birds breeding on Penikese Island. Amer. Nat. 9:514-515.
- Stearns, W.A. 1883. Birds of Amherst. Bull. Mass. Nat. Hist. 1:6-23.

- Stone, C.E. 1937. Fifty Years with the Birds of Lunenburg, Mass. Annotated List. Mimeo. iv.+53pp.+map.
- Townsend, C.W. 1905. The Birds of Essex County, Mass. *Memoirs of the Nuttall Ornithological Club* 3. 352pp.
- Townsend, C.W. 1920. Supplement to the Birds of Essex County, Mass. *Memoirs of the Nuttall Ornithological Club* 5. 196pp.
- Veit, R.R. and W.R. Petersen. 1993. Birds of Massachusetts. Mass. Aud. Soc., Lincoln. xv.+514pp.
- Walton, R.K. 1984. Birds of the Sudbury River Valley—An Historical Perspective. Mass. Aud. Soc., Lincoln. 220pp.
- Ward, N. 1995. Sea Birds. Pages 59-81 *In* Stellwagen Bank: A Guide to the Whales, Sea Birds, and Marine Life of the Stellwagen Bank National Marine Sanctuary. Down East Books, Camden, Maine. 232pp.
- Wetherbee, D.K. 1945. The Birds and Mammals of Worcester County, Massachusetts. Century Press, Worcester. x+192pp.
- Wetherbee, D.K., R.P. Coppinger and R.E. Walsh. 1972. Birds. Time Lapse Ornithology of Muskeget. Pp. 85-99 In Time Lapse Ecology, Muskeget Island, Nantucket, Massachusetts. MSS Educational Publ. Co., New York. 173pp.
- Wright, H.W. 1909. Birds of the Boston Public Garden. A study in migration. Houghton-Mifflin, Boston. 238pp. [continuous observations, 1900-1908].

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