



FIELD RECORDS

JANUARY/

FEBRUARY 1988

by Glenn d'Entremont, George W. Gove, and Robert H. Stymeist

In order to decrease the time between sightings and their publication in *Bird Observer*, observations from January and February 1988 have been combined and are presented here. This consolidation of sightings allows us to present the available records from January-February in less space than if we showed each month separately. We will, however, return to the usual monthly compilations with March 1988 in the next issue.

During the first half of January, cold weather prevailed, with a record 4 degrees below zero recorded on January 14. Temperatures moderated considerably during the last half of the month, although most ponds remained frozen.

February was mild and sunny; the temperature averaged 32.2 degrees. The high was 60 degrees on February 1, but in just six days we were back in the deep freeze with 8 degrees on February 7. Precipitation totaled 3.93 inches of rain and 14.1 inches of snow. The seasonal total at the end of February stood at 47.6 inches, 14.7 inches more than normal. The snow on February 12 was especially heavy to handle, hindering traffic and cleanup efforts.

R.H.S.

LOONS THROUGH WATERFOWL

Sixty-five Red-throated Loons were noted off Provincetown on January 16. This total far surpasses the maximum of 37 noted from Nantucket during January-February last year. Red-necked Grebes were especially abundant off Hull and Cohasset, where 150 were tallied on February 28. A Western Grebe was found in Salisbury, and another of the same bird was noted off Wingersheek Beach between the Salisbury sightings. A Western Grebe was also found last February in Newburyport Harbor.

Good numbers of Northern Gannets were observed off the beaches from Provincetown to Eastham, and a Northern Fulmar was also observed off Head of the Meadow Beach in Truro.

Double-crested Cormorants continue to increase as a winter resident, especially in Boston Harbor where as many as 32 were counted on a Boston Harbor Take a Second Look (TASL) census January 16. A total of 24 Double-crested Cormorants was found sitting on a pier in South Boston on January 1.

As many as 4 American Bitterns were reported, compared with none last January-February. Great Blue Herons were widespread with a total of 93 birds recorded, substantially more than last year.

A Tundra Swan was found on an island near the baffle dams at Quabbin, where it was seen off and on until it was found dead there at the end of January.

Brant numbers were down in Boston Harbor from previous years, and 7 Snow Geese were noted from six locations, 7 more than last year. A Blue-winged Teal continued through January in West Barnstable. It was initially found during the Cape Cod Lake and Pond Survey December 5-6, 1987. Other waterfowl highlights included 3 Eurasian Wigeon, 7 King Eider, 9 Harlequin Ducks, 8 Barrow's Goldeneye, and very high numbers of Hooded Mergansers. Red-breasted Merganser totals off Provincetown were consistently high during the two-month period with a maximum of over 4100 noted.

The Massachusetts Division of Fisheries and Wildlife conducted its annual midwinter coastal waterfowl survey on January 11 and 12. A total of 136,025 waterfowl was counted. American Black Ducks totaled 19,035, down 7 percent from last year. Canada Geese totals were 18,135, the highest on record. The previous high was 16,190 in 1979. Mute Swan numbers were also at a record high; for the first time the count exceeded 1000 birds.

The Division also conducted a park waterfowl survey, in which a total of 19,365 Mallards was counted at 161 sites in 86 Massachusetts communities. American Black Ducks totaled 2226.

R.H.S.

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Red-throated Loon thr 1/1	P'town Rockport, Hull	65 max 1/16 2, 4	W. Petersen + v. o. M. Lynch#, P. Thayer	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Red-throated Loon (continued)				
2/17, 2/28	Plymouth, Winthrop	6, 2	K. Holmes#, J. Berry#	
Common Loon				
thr	Cape Ann	5 max	v. o.	
thr	Newbypt-Salisbury	20 max	v. o.	
2/6, 2/17	Marshfield, Plymouth	10, 10	T. Aversa, K. Holmes#	
Pied-billed Grebe				
1/2	Plymouth (2 places)	6, 13	W. Petersen, R. Stymeist#	
1/2, 1/15	Nantucket, Framingham	13, 1	G. d'Entremont#, K. Hamilton	
1/25	Somerville	1	J. Berry	
2/10, 2/14	Plymouth, Falmouth	2, 1	R. Abrams, M. Lynch#	
Horned Grebe				
thr	Cape Ann	7 max	v. o.	
thr	Newburyport area	46 max 1/3	BBC (R. McHale) + v. o.	
thr	Boston Harbor	74 max 1/16	TASL + v. o.	
Red-necked Grebe				
thr	Hull	150 max 2/28	P. Thayer + v. o.	
thr	Cape Ann	12 max 1/31	v. o.	
thr	Newburyport area	1-4	v. o.	
1/16	N. Scituate, Winthrop	30, 20	T. Aversa	
Western Grebe				
1/19, 1/23	Salisbury	1	D. F. Oliver, H. Coolidge#	
1/21	Gloucester (Wingaersheek B.)	1	D. Brown#	
Northern Fulmar				
2/14	Truro (Head of the Meadow B.)	1	R. Stymeist#	
Northern Gannet				
1/9, 1/31	P'town, Rockport	4, 2	T. Aversa, BBC (S. Bolton)	
2/1, 2/6	Rockport (A.P.), P'town	14, 41	R. Forster, M. Lynch#	
2/16, 2/17	Orleans, P'town	130 in 0.5 hour, 150+	P. Trimble	
Great Cormorant				
thr	Boston Harbor	55 max 1/16	TASL + v. o.	
thr	Newburyport area	55 max 2/13	BBC (A. Bennett) + v. o.	
thr	N. Scituate	190 max 2/6	T. Aversa + v. o.	
thr	Cape Ann	40 max	v. o.	
1/9, 1/17	Eastham, P'town	150, 75	B. Nikula#	
2/20, 2/28	Lakeville	3, 2	K. Holmes, W. Petersen	
Double-crested Cormorant				
thr	Boston Harbor	32 max 1/16	TASL + v. o.	
1/3, 1/11	P'town, Eastham	1, 1	B. Nikula, W. Bailey#	
2/15, 2/20	Amesbury, Newbypt	4, 8	D. Chickering	
American Bittern				
1/1	Salisbury, P.I.	1, 1	M. Lynch#	
1/8, 2/27	Chatham, Eastham (F.H.)	1, 1	W. Bailey#, J. Bryant	
Great Blue Heron				
1/2, 1/10	Bourne, Milton	16, 26	K. Griffis#, D. Brown#	
1/1-31	36 individuals were reported from 17 locations.			
2/1-29	15 individuals were reported from 6 locations.			
Black-crowned Night-Heron				
1/3, 1/16	Nantucket, Worcester	26, 1	G. d'Entremont#, M. Lynch#	
1/11, 1/16	Eastham	14, 10	W. Bailey#, W. Petersen#	
Tundra Swan				
1/24, 1/28	Quabbin (G43)	1	S. Surner# + v. o.	
Mute Swan				
thr	Plymouth (Billington Sea)	78 max 1/2	v. o.	
thr	Gloucester	10 max	v. o.	
thr	Falmouth area	86 max 2/14	v. o.	
1/31	S. Boston (Carson B.)	7	M. Hall	
Snow Goose				
1/1	Gloucester, Yarmouthport	1, 1	M. Lynch#, K. Hamilton	
1/2, 1/5-12	Salisbury, S. Dartmouth	1, 2	E. Taylor, LCES (J. Lyons)	
2/20, 2/29	DWWS, Topsfield	1, 1	T. Aversa, J. Berry	
Brant				
thr	Boston H. (Winthrop-Squantum)		600 max 1/2 T. Aversa + v. o.	
1/16	P'town	250	SSBC (W. Petersen)	
1/30	Westport	24	SSBC (R. Abrams)	
2/15, 2/19	Nantucket, W. Yarmouth	34, 35	E. + C. Andrews, P. Trimble	
Canada Goose				
thr	Newburyport area	785 max 1/3	v. o.	
thr	S. Dart. (Allens Pd)	403 max 1/5	LCES (J. Lyons)	
1/3, 1/4	Southboro, Wenham	800, 600	E. Taylor, J. Brown	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Canada Goose (continued)				
1/29	Chatham (Pleasant Bay)	5000	R. Humphrey#	
2/6, 2/20	Uxbridge, Belmont	450, 56	J. Bryant, L. Taylor	
Wood Duck				
1/3, 1/20, 2/10	Danvers	1 m, 2, 1 f	J. Brown	
1/30, 1/31	W. Brookfield, Brockton	1 f, 1 f	R. Jenkins, R. Abrams#	
1/31	W. Barnstable	2	P. Trimble	
Green-winged Teal				
1/1	P.I., Waltham	1, 1	D. F. Oliver	
1/18, 1/31	Scituate, W. Barnstable	1, 9	R. Forster, P. Trimble	
2/13	Newburyport	1 f	J. Brown	
American Black Duck				
thr	Newburyport area	1000+ max 1/3	v. o.	
thr	S. Dart. (Allens Pd)	691 max 1/12	LCES (J. Lyons)	
thr	Boston Harbor	1589 max 1/16	TASL + v. o.	
1/1, 1/3	Gloucester, Plymouth	125+, 500+	M. Lynch#	
1/16	Wollaston, Worcester	425, 75	T. Aversa, M. Lynch#	
1/30, 1/31	Westport, W. Barnstable	1200, 50	SSBC (R. Abrams), P. Trimble	
2/11, 2/15	Quincy Bay, Newton (City Hall)	469, 80	R. Abrams, O. Komar#	
Mallard				
thr	S. Dart. (Allens Pd)	137 max 1/12	LCES (J. Lyons)	
1/1	Gloucester, S. Carver	60+, 66	M. Lynch#, J. Shaw	
1/3, 1/8	Plymouth, Ipswich	200+, 250+	M. Lynch#, J. MacDougall	
1/16	Boston Harbor, Worcester	282, 225	TASL, M. Lynch#	
1/19, 1/24	Stoneham, Arlington	650, 119	T. Aversa, L. Taylor	
Northern Pintail				
1/3	Plymouth, Danvers	1 f, 1 m	M. Lynch#, J. Brown	
1/7, 1/16	Scituate, Hingham	1 f, 1	D. F. Oliver, TASL	
1/19-2/21, 1/30	Stoneham, Lynn	2, 2	T. Aversa, J. Cumming	
2/1-29	Yarmouthport	40 max	J. Aylward#	
2/19, 2/28	W. Yarmouth, Halifax	2, 4	P. Trimble, W. Petersen	
Blue-winged Teal (from 12/5/87)				
1/31	W. Barnstable	1	P. Trimble	
Northern Shoveler				
thr	Hull	1	P. Thayer	
Gadwall				
1/1-2/17	Plymouth (Billington Sea)	20 max 1/2	v. o.	
1/1-24, 1/1	Gloucester, P.I.	2, 17	D. Chickering + v. o., M. Lynch#	
1/16-31, 1/16-21	Scituate, Worcester	1, 1	v. o., M. Lynch# + v. o.	
1/31, 2/19	W. Barnstable, W. Yarmouth	7, 2	P. Trimble	
Eurasian Wigeon				
thr	Plymouth (Billington Sea)	1 m	v. o.	
1/1-31, 2/14-22	Chatham, Nantucket	1, 1	v. o., E. Andrews	
American Wigeon				
thr	Plymouth (Billington Sea)	150+ max 1/3	v. o.	
thr	Belmont (Clay Pit Pond)	68 max 1/1	v. o.	
1/31	Manomet	35	V. Yurkunas	
2/14, 2/27	Falmouth, Eastham	10, 21	M. Lynch#, J. Bryant	
Canvasback				
thr	Nantucket	67 max 2/17	E. Andrews + v. o.	
thr	Falmouth	80 max 1/2	G. Gove + v. o.	
1/1-2/6	Dennis	420 max 1/1	K. Hamilton + v. o.	
1/16, 1/22	Quincy, Natick	6, 1	TASL, K. Ryan	
2/17	Milton, S. Dartmouth	8, 8	R. Abrams, LCES (J. Lyons)	
Redhead				
thr	Plymouth (Billington Sea)	7 max 1/31	v. o.	
thr	Nantucket	65 max 2/14	E. Andrews + v. o.	
thr	Falmouth	4 max 1/10	H. Wiggin + v. o.	
1/30, 2/6	Dennis	5, 8	R. Forster, M. Lynch#	
Ring-necked Duck				
thr	Plymouth (Billington Sea)	150 max 1/13	v. o.	
thr	Lakeville	6 max 2/15	K. Holmes + v. o.	
1/19, 1/31-2/29	Framingham, Newton	5, 1 f	R. Forster, M. Murphy# + v. o.	
2/10, 2/27	Plymouth, Eastham	140, 17	R. Abrams, J. Bryant	
Greater Scaup				
thr	Falmouth	440 max 2/14	M. Lynch# + v. o.	
thr	Boston Harbor	760 max 1/16	TASL + v. o.	
1/2, 1/30	Bourne, Westport	350, 100	R. Stymeist#, SSBC (R. Abrams)	
2/28	Lakeville	15	W. Petersen#	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Lesser Scaup 1/10, 1/21	Newbypt, Falmouth	1, 2	J. Berry, D. F. Oliver	
Common Eider thr	Boston Harbor	13353 max 1/16	TASL + v. o.	
thr	Plymouth	1000 max 1/3	M. Lynch# + v. o.	
thr	Cape Ann	300+ max 1/2	J. Brown + v. o.	
2/6	Salisbury	185	BBC (J. Center)	
2/28	Marblehead-Winthrop	2300+	J. Berry#	
King Eider thr	Winthrop	1 m	v. o.	
1/1-3, 1/1	Hull, Rockport	1 f, 1 m	R. Abrams#, M. Lynch#	
1/3, 1/10	Nahant, Quincy	1 m, 1 m	C. Floyd#, D. Brown#	
1/13, 2/27	Salisbury, Eastham	1 f, 1 f	R. Forster#, J. Bryant	
Harlequin Duck thr	N. Scituate	1 or 2	v. o.	
thr	Cape Ann	3 or 4	v. o.	
1/1-30, 2/19	Winthrop, Manomet	1, 2	J. Cumming + v. o., K. Holmes	
Oldsquaw thr	Nantucket	thousands	E. Andrews + v. o.	
thr	Newburyport	100+ max 2/13	v. o.	
1/24-2/24	Boston Harbor	50 max 1/27	P. Thayer	
Black Scoter 1/30	Westport	30	SSBC (R. Abrams)	
2/6, 2/26	Wellfleet, Barnstable	19, 10	M. Lynch#, P. Trimble	
Surf Scoter 1/1, 1/16	Rockport, Nahant	9, 6	M. Lynch#, TASL	
2/10, 2/18	Hull, Beverly	12, 5	R. Abrams, J. Brown	
2/26, 2/28	Barnstable, Marblehead Neck	60, 27	P. Trimble, J. Berry#	
White-winged Scoter thr	Boston Harbor	224 max 1/16	TASL + v. o.	
Common Goldeneye thr	Boston Harbor	1095 max 1/16	TASL + v. o.	
thr	Newbypt-Salisbury	1000+ max 1/30	v. o.	
thr	Cape Ann	150 max	v. o.	
2/20, 2/29	Arlington, Mashpee	1, 120	L. Taylor, P. Trimble	
Barrow's Goldeneye thr	Newburyport	4 max 2/14	G. Gove + v. o.	
thr	Hull	1 or 2	v. o.	
1/1, 1/3	Winthrop, N. Scituate	1, 1	C. Floyd#, R. Stymeist	
Bufflehead thr	Boston Harbor	1315 max 1/16	TASL + v. o.	
thr	S. Dart. (Allens Pd)	57 max	LCES (J. Lyons)	
2/14	Falmouth	438	M. Lynch#	
Hooded Merganser thr	Falmouth	100 max 2/14	M. Lynch# + v. o.	
thr	Plymouth (Billington Sea)	20+ max 1/3	v. o.	
thr	Watertown-Waltham	13 max 1/29	D. F. Oliver + v. o.	
thr	Lakeville	2	v. o.	
thr	Orleans (Town Cove)	42 max 1/6	K. Hamilton + v. o.	
1/2, 1/5	Plymouth, S. Dartmouth	36, 5	R. Stymeist#, LCES (J. Lyons)	
1/25, 1/31-2/2	Medford, Newton	2, 3	T. Aversa, M. Murphy#	
2/6, 2/9-29	Eastham, Nantucket	33, 16 max	M. Lynch#, E. Andrews#	
2/15, 2/20	Arlington, Belmont	12, 5	L. Taylor	
Common Merganser thr	Plymouth, Waltham	40 max, 27 max	v. o., D. F. Oliver	
thr	Eastham, Newbypt	60 max, 70 max	v. o.	
thr	Nantucket, Lakeville	47 max, 20 max	v. o.	
1/10, 1/19	Quabbin (G43), Framingham	160, 14	R. Jenkins, R. Forster	
2/6, 2/27	Uxbridge, Eastham	20, 25	J. Bryant	
Red-breasted Merganser thr	P'town, Newbypt	4100+ max, 150 max	v. o.	
1/10, 1/16	Truro, Boston Harbor	3000, 1278	B. Nikula, TASL	
Ruddy Duck 1/3, 2/10	Plymouth (Billington Sea)	2, 7	M. Lynch#, R. Abrams	

RAPTORS

Three Turkey Vultures were noted, compared with one during the same period last year. As many as 6 Bald Eagles were found along the Merrimack River which is more than the maximum of 3 in January-

February 1987. Sharp-shinned Hawks were seen at many feeders throughout the period, with eyewitness reports of sharpies dining on European Starlings, House Sparrows, and Dark-eyed Juncos. Red-shouldered Hawks were noted at six locations, and a Golden Eagle was found in East Quabbin. Peregrine Falcons were noted near the Custom House in downtown Boston, at Fort Hill in Eastham, and from three other locations.
H.S.

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Turkey Vulture				
1/1	Southboro	1	E. Taylor	
2/5, 2/26	Uxbridge, Warren	1, 1	J. Bryant, K. Ryan	
Bald Eagle				
thr	Merrimack River	6 max (2 ad, 4 imm)	2/21	v. o.
thr	Lakeville	2 max (1 ad, 1 imm)	2/27	K. Holmes + v. o.
thr	East Quabbin	6 max (3 ad, 3 imm)		v. o.
2/3	Yarmouthport	1 imm		R. Scott
2/9, 2/28	Cambridge, Halifax	1 ad, 1 imm		J. Porcher, W. Petersen
Northern Harrier				
thr	Newbypt-Salisbury	8 max 1/3		v. o.
thr	Halifax-Middleboro	4+ max		v. o.
thr	S. Dart. (Allens Pd)	3+ max		LCES (J. Lyons)
Nine birds reported from 6 locations.				
Sharp-shinned Hawk				
1/1-31	Single birds reported from 18 locations.			
2/1-29	Single birds reported from 10 locations.			
Cooper's Hawk				
1/9, 1/21	Templeton, Eastham	1 ad, 1 ad		M. Lynch#, D. F. Oliver
1/22, 1/26	Newton, Chatham	1 ad, 1		O. Komar, W. Bailey
1/29, 2/8	E. Middleboro	1		K. Anderson
2/6, 2/8	Newbypt, S. Carver	1, 1		BBC (J. Center), J. Shaw
2/8, 2/19	Chatham, Harwich	1 imm, 1		B. Nikula
2/22	West Chatham	1 imm		B. Nikula
Northern Goshawk				
1/6, 1/13	Petersham, Westboro	1 ad, 1		D. F. Oliver, K. Ryan
1/16, 1/17	Eastham, Hardwick	1, 1 imm		W. Bailey, M. Lynch#
1/31	Bridgewater	1 ad		W. Petersen#
2/4, 2/14	S. Carver	1 ad		J. Shaw
2/15	E. Middleboro	1		K. Anderson
2/21, 2/29	Quabbin (G43), Haverhill	1 ad, 1		M. Lynch#, D. Donovan#
Red-shouldered Hawk				
1/3, 1/8	Lakeville	1 ad		K. Holmes
1/11, 1/23-31	Orleans, Hanson	1, 1 ad		W. Bailey, W. Petersen#
2/10, 2/18-29	Gloucester, E. Middleboro	1, 1 or 2		D. Clapp#, K. Anderson
2/23, 2/28	Essex, Lakeville	1, 1		J. MacDougall, W. Petersen#
Red-tailed Hawk				
thr	Newburyport area	10+		v. o.
1/30	Westport	10		SSBC (R. Abrams)
2/27	Bridgewater-Middleboro	10		SSBC (K. Holmes)
Many reports of 1-4 individuals from various locations.				
Rough-legged Hawk				
thr	Newburyport-Salisbury	1-4+		v. o.
thr	Halifax-Middleboro	2-4+		v. o.
thr	DWWS	3 or 4+		v. o.
Individual birds reported from seven locations.				
Golden Eagle				
1/17	Quabbin (G43)	1 ad		M. Lynch#
American Kestrel				
thr	P.I.-Salisbury	5+		v. o.
thr	Middleboro area	5+		v. o.
Other reports of 1 or 2 individuals from many locations.				
Merlin				
1/2, 1/19	Nantucket (2 locations)	1, 1		E. Andrews
1/23, 1/30	Winchester, Newbypt	1, 1		F. Porter, BBC (S. Moore)
2/9, 2/23, 2/24	Nantucket (3 locations)	1, 1, 1		E. Andrews
Peregrine Falcon				
1/3	Boston, Eastham	2, 1		R. Stymeist#, B. Nikula
1/12	S. Dart. (Allens Pd)	1		LCES (J. Lyons)
1/24	Muskeget	1		E. Andrews
1/31, 2/29	W. Barnstable, Cambridge	1, 1		P. Trimble, F. Bouchard

GALLIFORMES THROUGH WRENS

Flocks of Wild Turkeys were seen at three Central Massachusetts locations in January, but none were reported in February. A Yellow Rail reportedly flew in front of an observer in Chatham on January 28. Its small size and amber color were noted. A Common Moorhen spent the period at a feeder on Nantucket in the company of a female Northern Pintail, among other common feeder birds. The large flock of American Coot continued at the Billington Sea in Plymouth with a little attrition. A Black-bellied Plover spent most of the period near Raccoon Island in Quincy, where the Mew, or Common, Gull was also noted for the fourth consecutive year. In Westport, where the snow cover was about ten inches and the temperature was thirty degrees, an American Woodcock flew to a tree and perched. It then flew from tree to tree with a flock of White-breasted Nuthatches (which may have been mobbing it) and then landed within forty feet of the observers on a section of bare pavement and began to probe the surface -- unusual behavior, to say the least.

Up to 12 Common Black-headed Gulls were present in Winthrop, where they could be seen roosting at high tide. A Thayer's Gull was described from Gloucester. Alcids, including Dovekies, Common and Thick-billed Murres, Black Guillemots, Atlantic Puffins, and Razorbills, were all present during the period, and up to 3000 Razorbills were counted feeding offshore along outer Cape Cod from Provincetown to Wellfleet.

An Eastern Screech-Owl was rescued from a bedroom in Sherborn; no further details concerning this feat were provided, however. Short-eared Owls were seen at seven locations including up to 6 that spent the period in Halifax and 9 on Nantucket. A Pileated Woodpecker responded to a screech-Owl whistle in Weston and then interacted with a Sharp-shinned Hawk. Large roosts of American Crows were reported from Framingham and from Reading. Wren reports included Carolina Wren (all from southeastern Massachusetts and Cape Cod), Winter Wren from five locations, and a Marsh Wren in Hyannis.

G.W.G.

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Ruffed Grouse				
1/1, 1/12	Stoughton, Mansfield	6, 4	T. Aversa	
1/15	Hamilton	2	T. Aversa	
1/2, 1/15	Hardwick	6, 3	M. Lynch#, R. Jenkins	
2/7, 2/20	Hardwick, Hamilton	9 budding, 1 gray	M. Lynch#, J. Berry	
Wild Turkey				
1/23, 1/24	Barre, Quabbin (G43)	22, 10	D. Donovan#, M. Lynch#	
1/24, 1/31	Petersham	26	W. Petersen#	
Virginia Rail				
1/10	Ipswich, N. Truro	1, 2	J. Berry, B. Nikula	
Common Moorhen				
1/10-2/29	Nantucket	1 at feeder	E. Andrews	
American Coot				
thr	Walpole	1	O. Komar	
1/1-2/10	Plymouth	268 max 1/2	v. o.	
1/1, 1/3	Arlington, Lynn	20, 28	R. Stymeist#	
1/3, 1/15	Natick	15, 30	R. Forster, K. Ryan	
1/24-27	Medford	7 max 1/24	L. Taylor	
2/9, 2/14	Lynn, Falmouth	9, 12	J. Brown, M. Lynch#	
Black-bellied Plover				
1/6-2/7	Quincy	1	v. o.	
1/24	Scituate	1	R. Abrams	
Killdeer				
1/3-16	Orleans	1-3	v. o.	
1/21	Scituate	1	R. Abrams	
Ruddy Turnstone				
1/1, 1/3	Hull	12, 3	P. Thayer, C. Floyd#	
1/7, 2/6, 2/20	N. Scituate	14, 2, 50	v.o	
Red Knot				
1/7, 1/10, 1/18	N. Scituate	25, 20, 18	v. o.	
1/10	Cohasset	12	R. Abrams#	
2/20	N. Scituate	5	v. o.	
Sanderling				
thr	Hull	60 max 1/29	P. Thayer	
1/1-31	Newburyport	13 max	v. o.	
1/1, 1/22	Revere, Nahant	90, 120	R. Stymeist#, J. Brown	
Purple Sandpiper				
thr	N. Scituate	150-300	v. o.	
1/17, 1/18	Cohasset	450, 75	W. Petersen, R. Forster	
1/2, 1/17	Cape Ann	25, 38	J. Brown	
1/30, 2/28	Westport, Marblehead	80, 55	SSBC (R. Abrams), J. Berry#	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Dunlin				
thr	S. Dartmouth-Westport	64 max 1/12	v. o.	
1/6, 1/9	Eastham	350, 500	K. Hamilton, B. Nikula#	
2/6	Eastham	78	M.Lynch#	
Common Snipe				
1/1, 1/3	Newburyport	1, 4	v. o.	
1/2	Mansfield	1	T. Aversa	
1/10	Ipswich	1	J. Berry	
American Woodcock				
1/9, 1/10	Rockport, Westport	1, 1	R. Norris, R. Marshall	
2/25, 2/28	Middleboro area, Bridgewater	5, 5	BBC (D. Davis), K. Holmes	
Common Black-headed Gull				
1/1-31	Newburyport	1	v.o	
1/17-24	Gloucester	2 or 3	v. o.	
1/1, 1/12	Winthrop, Quincy	12, 1	C. Floyd#, K. Ryan	
2/7-17	Quincy	2 ad + 1 imm max	v. o.	
2/18	Beverly	1	J. Brown	
Bonaparte's Gull				
1/1-31	Newburyport	15 max	v. o.	
1/2, 1/7	Gloucester, N. Scituate	6, 6	J. Brown, D. F. Oliver	
1/18, 2/21	Winthrop, Newburyport	15, 1	TASL, J. Berry	
Common Gull				
1/4-2/16	Quincy	1 ad	R. Abrams	
Ring-billed Gull				
thr	S. Dart. (Allens Pd)	7-78	LCES (D. Christiansen)	
1/1-31	Newburyport	300 max 1/3	v. o.	
1/24, 1/30	Arlington, Westport	51, 125	L. Taylor, SSB (R. Abrams)	
2/1-29	Belmont, Arlington	60, 55-75	L. Taylor	
2/1	Stoneham	135	T. Aversa	
Thayer's Gull (details)				
1/18-21	Gloucester	1 ad	J. Quigley + v. o.	
Iceland Gull				
thr	Cape Ann	7 max	v. o.	
thr	Newburyport-Salisbury	25 max	v. o.	
1/16	Provincetown	4	v. o.	
2/11-17	Quincy	1-2	R. Abrams	
Glaucous Gull				
1/1-31	Gloucester	1	v. o.	
1/10, 1/16	Cohasset, Eastham	1, 1	R. Abrams, W. Petersen#	
1/17, 1/25	Provincetown, S. Carver	1, 1	B. Nikula#, J. Shaw	
2/23	GMNWR	1	C. Floyd	
Black-legged Kittiwake				
1/1-31	Rockport	65 max 1/16	v. o.	
2/6	Wellfleet	2	M. Lynch#	
Dovekie				
2/6, 2/15	Provincetown	3, 6	M. Lynch#, G. Gove#	
Common Murre				
1/24	Provincetown	1 (oiled)	C. Floyd	
Thick-billed Murre				
1/11-31	Rockport	1-2	v. o.	
1/3	Nantucket Sound	1	D. Brown	
2/6	Wellfleet	1	M. Lynch#	
Razorbill				
thr	Wellfleet to Provincetown	3000 max	v. o.	
Black Guillemot				
thr	Provincetown, Rockport	20 max, 15 max	v. o.	
Atlantic Puffin				
2/6	Provincetown	2	M. Lynch#	
Common Barn-Owl				
2/9	Nantucket	1 dead	fide M. Litchfield	
Eastern Screech-Owl				
thr	Topsfield, Easton	1, 1 red	J. Brown, K. Ryan	
2/25-28	Bridgewater-Middleboro	3-5	v. o.	
Reports of individuals from 6 locations.				
Great Horned Owl				
thr	Ipswich	2-4	J. Berry	
thr	Bridgewater-Middleboro	2-4	v. o.	
1/31, 2/26	Barnstable, E. Sandwich	4, 2	P. Trimble	
2/4-7	Waltham	1-2	L. Taylor	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Snowy Owl				
thr	Nantucket	1-4	fide E. Andrews	
thr	Newburyport area, Quincy	1-3, 1-2	v. o.	
1/15-17	Lakeville	1	K. Holmes	
1/20-2/26	W. Yarmouth	1	P. Trimble	
2/9	Duxbury	3	R. Abrams	
Barred Owl				
1/20, 1/30	Rutland	1, 1	R. Jenkins	
1/24	Quabbin (G43)	1	S. Selesky	
2/25-28	Bridgewater-Middleboro	1-2	v. o.	
2/24	E. Middleboro	2 dueting	K. Anderson	
Long-eared Owl				
2/27	Mashpee	1	P. Trimble	
Short-eared Owl				
thr	Halifax, Nantucket	6 max, 9 max	v. o.	
1/3	Middleboro	4	W. Petersen#	
1/1-2/9	DWWS	2 max	D. Ludlow + v. o.	
1/30-31, 2/29	Salisbury	1, 1	E. Taylor, D. Donovan	
2/1, 2/3	Mashpee, S. Dart. (Allens Pd)	1, 1	G. Martin, LCES (D. Christiansen)	
Northern Saw-whet Owl				
1/2, 1/17	Oakham, Quabbin (G40)	1, 1	M. Lynch#, D. Donovan#	
1/25, 2/21	Nantucket, P.I.	1, 1	fide M. Litchfield, J. Berry	
Belted Kingfisher				
1/1, 1/2	Cambridge, Falmouth	1, 5	R. Stymeist#	
1/3, 2/6	Cohasset, Eastham	2, 2	R. Abrams, M. Lynch#	
2/1-29	Watertown	1	M. Hall	
Reports of individuals from 9 locations.				
Red-headed Woodpecker				
1/1	Holden	1 (from Dec.)	R. Jenkins	
1/6-31	Nantucket	1 imm	E. Andrews	
Hairy Woodpecker				
1/1-31, 2/18	Templeton, Quabbin (G43)	4, 5	R. Jenkins, P. Trimble	
Northern Flicker				
1/3, 1/8	Middleboro, Lakeville	7, 3	W. Petersen#, K. Holmes	
2/6	Boxford	3	D. F. Oliver	
1/1-31	Reports of individuals from 12 locations.			
2/1-29	Reports of individuals from 7 locations.			
Pileated Woodpecker				
1/1, 1/10	Weston, Royalston	1, 1	R. Stymeist#, M. Lynch#	
1/8, 1/24	Athol, IRWS	1, 1	J. Bradley, J. Brown	
1/24-30	Hardwick	1-2	v. o.	
2/18, 2/21	Quabbin (G43), Worcester	4, 1	P. Trimble, M. Lynch#	
Horned Lark				
thr	Salisbury	47 max 2/6	v. o.	
thr	Middleboro	150 max 1/2	W. Petersen	
1/1-31	New Braintree, Newbypt area	12-65, 41 max	R. Jenkins, v. o.	
1/9, 2/28	Eastham, Halifax	50, 50	T. Aversa, BBC (K. Holmes)	
Blue Jay				
1/17, 2/15	Petersham, Hardwick	83, 41	K. Griffis, M. Lynch#	
American Crow				
1/1-31, 1/30	Framingham, Reading	3000, 1600	E. Taylor	
1/1-31	S. Dartmouth, Worcester	98 max 1/12, 250	LCES (J. Lyons), M. Lynch#	
1/6, 1/16	Woburn, Milton	200, 200	T. Aversa, G. Gove#	
2/14, 2/25	Woods Hole, Middleboro	200, 259	P. Trimble, BBC (D. Davis)	
Fish Crow				
1/1-31, 1/30	Framingham, Worcester	50, 1	E. Taylor, M. Lynch#	
2/27	Waltham	1	L. Taylor#	
Common Raven				
thr	Quabbin (G40, 43)	1-5	v. o.	
Red-breasted Nuthatch				
thr	Quabbin (G40, 43)	8-32	v. o.	
1/1, 1/24	Topsfield, Wayland	4, 4	J. MacDougall, R. Forster	
Brown Creeper				
thr	Quabbin (G40, 43)	3-7	v. o.	
1/12, 1/28	Stoneham, Andover	2, 3	T. Aversa, V. Yurkunas	
2/16	Easton	2	K. Ryan	
Carolina Wren				
1/1-31	Lakeville	1	W. Petersen	
1/2, 1/3	Bourne-N. Falmouth, Nahant	9, 1	R. Stymeist#, C. Floyd#	
1/3, 1/4	Plymouth, Middleboro	2, 2	M. Lynch#, K. Holmes	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Carolina Wren (continued)				
1/24, 1/30	Hyannis, Westport	2, 2	P. Trimble, SSBC (R. Abrams)	
2/14	Falmouth	9	M. Lynch#	
2/17, 2/27	Orleans, Mashpee	1, 1	P. Trimble	
Winter Wren				
1/1	Newton, Wellesley	1, 1	P. Martin, K. Winkler	
1/9, 2/19	Waltham, W. Yarmouth	1, 1	L. Taylor, P. Trimble	
2/11-23	Stoneham	1-2	T. Aversa	
Marsh Wren				
1/24	Hyannis	1	P. Trimble	

KINGLETS THROUGH FINCHES

Worcester County has been a stronghold for wintering Eastern Bluebirds in recent years; a maximum of 12 individuals were found in Hardwick during January, and another 5 were counted in nearby Barre. Hermit Thrushes were noted from just a few areas, but the total number reported, 12, was 12 more than the number from the two-month period last year. At the Eagle Hill School in Hardwick, as many as 5 Bohemian Waxwings were seen throughout the period, though not on a regular basis. It was a good winter for seeing Northern Shrikes, especially on the Outer Cape, where at least 6 individuals were tallied. An Ovenbird was photographed at a feeder in Dennis, where it remained for nine days.

The Western stray trend continued during January and February. In mid-December 1987, a Hammond's Flycatcher spent ten days in Wellesley, and a Townsend's Warbler was at a Framingham feeder for nearly two weeks. In January, an "Audubon's" Warbler, the western race of our "Myrtle" Warbler, was seen on Nantucket; 2 "Spotted" Towhees were spotted at feeders, one in Acton and one in North Scituate. Two "Oregon" Juncos (the western race of our "Slate-colored") showed up at a feeder in Stow, and one was seen at a feeder on Nantucket. A Fox Sparrow of the western race, distinguished from our eastern race by its larger size and much grayer plumage, was observed in North Falmouth. Three Dickcissels visited feeders in Framingham, Lincoln, and Nantucket.

Other notable birds included a Seaside Sparrow in Rowley. This species is now becoming regular in winter in Essex County (7 were counted on the Newburyport CBC in 1985). Two adult White-crowned Sparrows were found on Nantucket, and a total of 80 Eastern Meadowlarks were counted in one field in Middleboro. This count is almost twice the number 45 seen in January 1985.

With the exception of Pine Siskins, winter finches were not easily found. Only 2 Pine Grosbeaks were noted, and just 2 Common Redpolls were recorded. There was a flock of Red Crossbills seen reliably at Dana Commons in East Quabbin, where a few White-winged Crossbills were also noted. Evening Grosbeaks were observed in small flocks throughout the area, but only East Quabbin was a consistently good place for finding them.

Southwest winds on February 22 and 23 brought a general arrival of blackbirds; 900 Red-winged Blackbirds at Middleboro represented the largest concentration reported. G.d'E., R.H.S.

Golden-crowned Kinglet				
1/21-2/20	Wenham	9 max	J. Brown	
1/12, 1/17	Stoneham, E. Quabbin	5, 17	T. Aversa, BBC (M. Lynch)	
2/6, 2/27	Newbury, Mashpee	4, 3	D. Chickering, P. Trimble	
Eastern Bluebird				
1/1-31, 1/30	Hardwick, Barre	12 max 1/5, 5	v. o., R. Jenkins	
Hermit Thrush				
1/11-2/29	Newton	1	O. Komar	
1/1, 1/2	Weston, Falmouth area	2, 7	G. Gove#, R. Stymeist#	
2/14, 2/27	Falmouth, Mashpee	1, 1	M. Lynch#, P. Trimble	
American Robin				
1/1, 1/13	Cambridge, Chatham	40, 60+	R. Stymeist#, B. Nikula#	
1/14, 1/15	Harwich, Woods Hole	20+, 150	B. Nikula#, G. Martin	
1/23	W. Boylston, Boxford	21, 30	M. Lynch#, D. F. Oliver	
2/5, 2/9	Wellesley, Rochester	25, 65	R. Forster, K. Ryan	
2/6, 2/14	Boxford, Nantucket	50, 55	D. F. Oliver, B. Hallett	
2/19, 2/28	Yarmouthport, Lexington	50+, 4	J. Aylward, L. Taylor	
Gray Catbird				
1/2, 1/30	Boston (A.A.), Westport	1, 1	T. Aversa, SSBC (R. Abrams)	
2/14	Falmouth	2	M. Lynch#	
Brown Thrasher				
1/24	Hyannis	1	P. Trimble	
Bohemian Waxwing thr				
	Hardwick	5 max 1/5	v. o.	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Cedar Waxwing				
thr	Hardwick	150+ max 1/5	v. o.	
1/8, 2/6	Middleboro, Boxford	4, 50	K. Holmes, D. F. Oliver	
2/4-25, 2/28	Easton, Chatham	20, 30	K. Ryan, B. Nikula	
Northern Shrike				
thr, 1/1	P.I. area, E. Boston	1 or 2, 1	v. o., J. Cumming	
1/17, 1/19	Squantum, Outer Cape	1, 6	v. o., W. Bailey	
2/6-17, 2/19	P'town, Bolton	1, 1	v. o., D. Donovan	
2/28	Sudbury	1	R. Forster	
Yellow-rumped Warbler				
1/2, 1/9	Lakeville, P'town	2, 25	K. Holmes, T. Aversa	
1/29	Chatham (Pleasant Bay)	50	R. Humphrey#	
1/30, 1/31	Westport, P.I.	11, 4	SSBC (R. Abrams), M. Lynch#	
2/9-2/24	S. Dartmouth	34 max	LCES (D. Christiansen)	
"Audubon's" Warbler (details submitted)				
1/2	Nantucket	1	D. Brown# + G. d'Entremont	
Ovenbird				
1/1-9	Dennis	1 at feeder ph	R. + E. Fisher	
Northern Cardinal				
thr	Brookline	8 at feeder	H. Wiggin	
1/4, 1/1-31	Lancaster, Sherborn	16, 10	D. Donovan, E. Taylor	
Dickcissel				
1/1-2	Framingham	1 imm m	K. Hamilton	
1/1-31, 1/12	Lincoln, Nantucket	1, 1	M. Perkins + v. o., E. Andrews	
Rufous-sided Towhee				
1/2	Bourne-N. Falmouth	5	R. Stymeist#	
1/8, 1/9	Nahant, Hardwick	1, 1	T. Aversa, M. Lynch#	
1/16, 1/17	N. Scituate, Middleboro	1, 2	v. o., K. Holmes	
2/13, 2/14	W. Bridgewater, Falmouth	1, 1	K. Holmes, M. Lynch#	
"Spotted" Towhee				
Jan.	Acton, N. Scituate	1, 1	fide S. Perkins	
American Tree Sparrow				
thr, 1/1	Lancaster, Uxbridge	60 max 1/31, 51	D. Donovan, R. Hildreth	
1/3, 1/4	Middleboro, Andover	60+, 30+	W. Petersen#, V. Yurkunas	
1/15, 1/16	Bridgewater, Hardwick	100+, 25	K. Holmes, G. d'Entremont	
1/30, 2/10	Westport, IRWS	10, 30	SSBC (R. Abrams), J. Brown	
Field Sparrow				
1/2, 1/4	Belmont, Middleboro	1, 8	BBC (R. Clayton), K. Holmes	
1/4, 1/30	Lancaster, Westport	5, 4	D. Donovan, SSBC (R. Abrams)	
2/9, 2/12-14	Norton, Ipswich	6, 1	K. Ryan, J. Berry	
Savannah Sparrow				
1/3, 1/9	Middleboro, Eastham	30+, 5	W. Petersen#, T. Aversa	
2/28	Middleboro	1	W. Petersen	
"Ipswich" Sparrow				
1/19-2/20	Salisbury	1	v. o.	
Seaside Sparrow (details submitted)				
1/10	Rowley	1	J. Berry	
Fox Sparrow				
1/1-31	Marlboro	1 (from 12/20)	B. Parker	
1/2	N. Falmouth	1 (western race)	R. Stymeist#	
2/16, 2/17	Easton, Milton	1, 1	K. Ryan, R. Abrams	
Song Sparrow				
1/2, 2/14	Bridgewater, Falmouth	25+, 26	K. Holmes, M. Lynch#	
Swamp Sparrow				
1/3	Middleboro, Plymouth	8, 2	W. Petersen, M. Lynch#	
1/18, 1/24	Belmont, Hyannis	3, 1	L. Taylor, P. Trimble	
2/14, 2/27	Ipswich, Mashpee	1, 3	J. Berry, P. Trimble	
White-throated Sparrow				
thr	Ipswich, Brookline	6 max, 8 max	J. Berry, H. Wiggin	
1/4, 1/16	Middleboro, Lincoln	3, 15+	K. Holmes, M. Lynch#	
1/21, 2/14	MNWS, Falmouth	8, 21	J. Brown, M. Lynch#	
White-crowned Sparrow				
late Jan.	Nantucket	2 ad	fide M. Litchfield	
Dark-eyed Junco				
1/3, 1/10	Plymouth, Templeton	20, 30	M. Lynch#, R. Jenkins	
1/16, 1/17	Lincoln, E. Quabbin	30+, 68	M. Lynch#, v. o.	
2/1-29, 2/13	Ipswich, Nantucket	22 max, 23	J. Berry, v. o.	
"Oregon" Junco				
Jan.	Stow	2	fide S. Perkins	
2/13	Nantucket	1	fide E. Andrews	

DATE	LOCATION	NUMBER	OBSERVERS	JAN.-FEB. 1988
Lapland Longspur				
1/13-2/15	Salisbury	7 max	v. o.	
1/3, 2/26	Middleboro, Nantucket	6, 1 m	W. Petersen#, E. Andrews	
Snow Bunting				
thr, 1/1	Quincy, S. Boston	30 max, 30	v. o., M. Hall	
1/1, 1/10	Nantucket, Halifax	100+, 100	v. o., R. Abrams#	
1/10, 1/31	Middleboro, Salisbury	80, 110	W. Petersen, M. Lynch#	
2/13, 2/21	Salisbury, Bolton	49, 120+	J. Brown, D. Donovan	
Red-winged Blackbird				
1/1, 1/7	E. Middleboro, DWWS	12, 26	K. Anderson, D. F. Oliver	
1/20, 2/15	Gardner, Falmouth	1, 2	R. Jenkins, D. Donovan#	
2/28	Middleboro	900	W. Petersen#	
Eastern Meadowlark				
1/2-3, 1/3	DWWS, Middleboro	6 max, 80	v. o., K. Anderson#	
1/5, 1/24	New Braintree, Mashpee	1, 3	R. Jenkins, P. Trimble	
Rusty Blackbird				
1/2, 1/5-20	Middleboro, New Braintree	10, 4 max	K. Holmes, R. Jenkins	
Common Grackle				
1/7, 1/15	Salisbury, Framingham	7, 1	V. Yurkunas, K. Hamilton	
Brown-headed Cowbird				
1/3, 1/30	Middleboro, Westport	90, 20	W. Petersen#, SSBC (R. Abrams)	
Pine Grosbeak				
1/23, 2/7	Quabbin (G42), Hardwick	1, 1	D. Donovan#, M. Lynch#	
Purple Finch				
thr	Hardwick	15+ max 1/9	v. o.	
1/23-31, 1/21	Boxford, Worcester	9 max 1/23, 15	v. o., R. Jenkins	
2/18, 2/28	Quabbin (G43), Lexington	6, 3	P. Trimble, L. Taylor	
Red Crossbill				
thr	Quabbin (G40)	65 max	v. o.	
2/18-21	Quabbin (G43)	3 max	v. o.	
White-winged Crossbill				
1/12-20	Oakham	12 max	R. Jenkins	
1/24-30, 2/15	Quabbin (G43), Quabbin (G41)	1, 2	v. o., M. Lynch#	
Common Redpoll				
1/24, 2/18-24	Quabbin (G40), Nantucket	1, 1	W. Petersen, B. Vigneau	
Pine Siskin				
thr	East Quabbin	150 max 1/8	v. o.	
1/1-31	Framingham, Marlboro	23 max, 22 max	K. Hamilton, B. Parker	
2/7-29, 2/9	Hopkinton, E. Middleboro	24 max, 8 max	J. Gordon, K. Anderson	
American Goldfinch				
1/17	Petersham, Hardwick	20, 50	K. Griffis#	
1/23	Milford	35	R. Hildreth	
2/6-28	Newbury	60 max	D. Chickering	
Evening Grosbeak				
1/1-2/7	Hardwick	150+ max 1/9	v. o.	
1/1, 1/10	Millis, Ipswich	13, 7	R. Forster, J. Berry	
2/6	Topsfield, Norton	11, 20	J. Brown, K. Anderson	

CORRIGENDUM TO OCTOBER 1987 FIELD RECORDS (VOL. 16, NO. 2)

Red-headed Woodpecker (page 97)				
3, 10	Truro, Rowley	1 imm, 1	R. Stymeist#, D. F. Oliver	
should read				
3, 9-10	Truro, Rowley	1 imm, 1 imm	R. Stymeist#, H. Weissberg#	

BIRD OBSERVER FIELD RECORDS

Bird Observer monthly field records represent observations from the ten counties of eastern Massachusetts (Essex, Middlesex, Worcester, Suffolk, Norfolk, Plymouth, Bristol, Barnstable, Duke, and Nantucket). Although space does not permit the inclusion of all sightings submitted, the compilers attempt to present sufficient data to document early and late dates for migratory species, maximum counts for migrants, and high or low numbers for the more common species and to note species outside of their normal ranges.

Please send eastern Massachusetts field records of any given month, no later than the 8th of the subsequent month, to Robert H. Stymeist, 98 Boylston Street, Watertown, MA 02172. The basic information that should be submitted is species name, date and place of observation, an accurate count or careful estimate, sex (if determinable), immature or adult plumage, vocalizations (if any), and observers. Species should be arranged in the current A.O.U. (American Ornithologists' Union) checklist order. Reports of species that can be difficult to identify should include details of the diagnostic characteristics observed or heard that led to the identification.

All field records received by *Bird Observer* are archived at the Massachusetts Audubon Society.

LIST OF ABBREVIATIONS

ad	adult	F.P.	Fresh Pond, Cambridge
b	banded	G37 or 40	Gate 37 or 40, Quabbin
br	breeding	H.	Harbor
dk	dark (phase)	H.P.	Halibut Point, Rockport
f	female	I.	Island
imm	immature	M.V.	Martha's Vineyard
ind	individuals	Mt.A.	Mount Auburn Cemetery, Cambridge
juv	juvenile	Nant.	Nantucket
loc	location	Newbypt	Newburyport
lt	light (phase)	Noanet WR	Noanet Woodland Reservation
m	male	P.I.	Plum Island
max	maximum	Pd	Pond
mi	mile	P'town	Provincetown
migr	migrating	Quab.	Quabbin
n	nesting	Res.	Reservation
ph	photographed	R.P.	Race Point, Provincetown
pl	plumage	S. Dart.	South Dartmouth
pr	pair	S.N.	Sandy Neck, Barnstable
S	summer (1S = first summer)	Stellw.	Stellwagen (Bank)
thr	throughout	BBC	Brookline Bird Club
v.o.	various observers	BOEM	Bird Observer of Eastern Massachusetts
W	winter (2W = second winter)	CBC	Christmas Bird Count
w/	with	CCBC	Cape Cod Bird Club
yg	young	DFWS	Drumlin Farm Wildlife Sanctuary
#	additional observers	DWWS	Daniel Webster Wildlife Sanctuary
A.A.	Arnold Arboretum	EMHW	Eastern Massachusetts Hawk Watch
A.P.	Andrews Point, Rockport	FCBC	Felix Cutler Bird Club
B.	Beach	GMNWR	Great Meadows National Wildlife Refuge
B.I.	Belle Isle, E. Boston	IRWS	Ipswich River Wildlife Sanctuary
B.R.	Bass Rocks, Gloucester	LCES	Lloyd Center for Environmental Studies
Buzz.	Buzzards Bay	MAS	Massachusetts Audubon Society
C.	cape as in Cape Cod	MBO	Manomet Bird Observatory
Cambr.	Cambridge	MNWS	Marblehead Neck Wildlife Sanctuary
Corp. B.	Corporation Beach, Dennis	NEHW	New England Hawk Watch
C.P.	Crooked Pond, Boxford	ONWR	Oxbow National Wildlife Refuge
E.P.	Eastern Point, Gloucester	PRNWR	Parker River National Wildlife Refuge
F.E.	First Encounter Beach, Eastham	SRV	Sudbury River Valley
F.H.	Fort Hill, Eastham	SSBC	South Shore Bird Club
F.M.	Fowl Meadow	WBWS	Wellfleet Bay Wildlife Sanctuary