

16th ANNUAL PENNSYLVANIA MIGRATION COUNT, 12 MAY, 2007

Species	ADAM	ALLE	ARMS	BEAV	BEDF	BERK	BLAI	BRAD	BUCK	BUTL	CAMB	CAME	CARB	CENT	CHES	CLAR	CLEA	CLIN	CRAW	CUMB
Snow Goose						18														
Canada Goose	10	317	8	25	163	321	107	261	883	185	36	4	3	124	180	2	37	66	316	166
Mute Swan					2	14			18		1							1		1
Tundra Swan						1														
Wood Duck	7	21		8	23	25	14	55	33	69	19	1		30	31	2	5	31	16	20
Gadwall										6										
American Wigeon								2									1			
American Black Duck				1	2	2	1	2		4										
Mallard	11	152		7	65	177	40	47	375	27	6	1	7	87	27		17	11	11	137
Blue-winged Teal		2		1		1								4						
Northern Pintail																				
Green-winged Teal				2		2														
Canvasback					1															
Ring-necked Duck	1			2		2				2				1	2					
Greater Scaup																				1
Lesser Scaup										2					1					
Bufflehead				1											2					
Common Goldeneye												2								
Hooded Merganser				1					1	4				2			1			1
Common Merganser							2	15	9	6			1			3		4		
Red-breasted Merganser											1									
Ruddy Duck					4	2			2	41		4		1	17					
Ring-necked Pheasant				2	3		7	4		4		16		1				1		8
Ruffed Grouse					4	5	17	3		1	1			1		1	4			
Wild Turkey		50	1	3	34	30	22	13	14	3	4		7	4		9	3		1	5
Northern Bobwhite					2					2										
Red-throated Loon																				
Common Loon				1		2	1		7		3			3	4			2		
Pied-billed Grebe					2	1	1		3									1		
Horned Grebe																				
Double-crested Cormorant	1	6			2	24	1	3	229	59	12			8	13			1	16	1
Great Cormorant*									1											
American Bittern	1														1			1		
Least Bittern						6			1	2										
Great Blue Heron	9	46	1	6	15	18	20	25	79	9	1	1	1	10	14		4		2	12
Great Egret	1						1	1	1						2					5
Snowy Egret									12											
Little Blue Heron					2															
Green Heron	3	4		1	4	13	10	5	17	1	2			15	8		1	2	2	19
Black-crowned Night-Heron						3			2											19
Black Vulture	4					10	4		32					16	18					8

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Turkey Vulture	12	72	2	23	70	108	51	38	215	17	29	2	8		77	15	8	21	2	49
Osprey				1	2	1	5	2	14	10				1	4					
Mississippi Kite*						1														
Bald Eagle					4	5		10	8	2				2	3				13	
Northern Harrier	1					3			1							3		1		1
Sharp-shinned Hawk		3		1	4	9	9	1	5		2			1	1			1		2
Cooper's Hawk		8		2	7	3	10	2	8	2	1			2	5	1				2
<i>Accipiter sp.</i>		1				2			1								3			
Red-shouldered Hawk	2	3		2	5	4	1		3	2				4		2	2		1	2
Broad-winged Hawk	1	2		1		6	17	4	2	2	1					2	1			4
Red-tailed Hawk	3	48	1	2	14	41	11	22	61	8	6	12	3	9	30	1	2	3	4	23
American Kestrel	2	1		1	7	17	16	3	5	1	2	1		1	2	2		3		2
Merlin																				1
Peregrine Falcon		2							1						1					
Virginia Rail				2					2		1								1	3
Sora				1	4	4														2
Black Rail																				
Common Moorhen		1							2					1				1		
American Coot	6				3	85			2	4	3			5	3			1		1
Black-bellied Plover				1																
Semipalmated Plover				15	1	1			89						1					1
Killdeer	9	39	6	40	23	42	20	30	16	19	14	1	3	13	13	1	6	8	6	27
Greater Yellowlegs		1			5	6			3					3	1					3
Lesser Yellowlegs				11	2	2			1					2	3				4	5
Solitary Sandpiper		11		4		20	2	6	32	2	2		1	9	19			5	2	16
Spotted Sandpiper	6	16		3	9	35	12	17	40	2	10		1	12	14		2	6	4	3
Upland Sandpiper																			1	
Sanderling									1											
Semipalmated Sandpiper				3	2				5						5					
Least Sandpiper	3	6		35		36			487	2				7	19					4
<i>peep sp.</i>	12	1							1											
White-rumped Sandpiper																				
Pectoral Sandpiper						2														
Dunlin				8					4											
Short-billed Dowitcher																				
Wilson's Snipe	1							1						1	1		2			
American Woodcock					2	5	7			1		1					4	2		21
Laughing Gull*									118											
Bonaparte's Gull									40	7	1			2						
Ring-billed Gull					7	31	2	2	503	33	45			66			36	35	4	6

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Herring Gull		8							16					1				40		
Iceland Gull									1											
Lesser Black-backed Gull									2											
Great Black-backed Gull									8											
Caspian Tern							1			1										
Common Tern										2										
Forster's Tern										3										
Black Tern														2						
Rock Pigeon	25	25		16	45	130	78	77	91	209	13	4		19	37	3	5	8	5	163
Eurasian Collared-Dove*																				
Mourning Dove	7	124	19	39	200	339	55	122	374	46	143	12	21	67	161	17	52	41	15	124
Black-billed Cuckoo		5		6	5	19	9	3	5	3		2	2			4	1		6	
Yellow-billed Cuckoo	1	18		1	18	21	30	6	2	2	2		1	9	4	2		4		30
Barn Owl					1															6
Eastern Screech-Owl				2	1	5	1		22			1			17			2		2
Great Horned Owl						7	3		3	1	2			2		1	2			3
Barred Owl	2			1			1	2		2	2				4				2	10
Northern Saw-whet Owl																				
Common Nighthawk					2	3	18		3											1
Whip-poor-will	2			9	6		3											2		
Chimney Swift	19	96		247	43	71	55	14	121	111	43	6		21	61	7	4	17	12	29
Ruby-throated Hummingbird	10	13	9	10	74	24	9	10	23	11	37	1	1	17	13	8	13	11	4	19
Belted Kingfisher	1	10		1	3	5	10	12	10	4	2	1	3	4	4			1	2	7
Red-headed Woodpecker	1				1	7			1	2										6
Red-bellied Woodpecker	8	98	3	16	45	93	49	28	167	26	13		3	24	78	3	4	9	10	36
Yellow-bellied Sapsucker		1			3		2	11		5	5	3							2	
Downy Woodpecker	6	38	8	13	45	64	30	18	90	19	9	2	2	22	46	5	7	9	4	32
Hairy Woodpecker	2	17	1	4	26	17	3	9	14	7	7	1		5	5	5	1	7	1	6
Northern Flicker	3	61		3	30	50	24	16	81	5	13	4	5	22	37	4	9	16	4	30
Pileated Woodpecker	4	20		1	13	13	16	3	7	6	6	1		10	6	3	3	6	3	9
Olive-sided Flycatcher					10															
Eastern Wood-Pewee	3	13		2	13	16	14	3	29	8	2		1	2	39	1		2		29
Yellow-bellied Flycatcher																				
Acadian Flycatcher	2	33		9	1	4		15	1	7	4	4		2	14	2			2	14
Alder Flycatcher				1	2	1	1			4										
Willow Flycatcher	4	2		3	5	2	14	2	6	10	2			4	21		1	2	1	3
Least Flycatcher		6			1	2		3		5	3	2	2	2			2			
<i>Empid sp.</i>		1				2			1											
Eastern Phoebe	2	29		3	20	42	69	17	32	6	7	4	7	18	31	4	7	15	1	31
Great Crested Flycatcher	5	11		4	9	46	20	18	93	2			6	12	18	3	3	6	6	51

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Eastern Kingbird	3	20		12	10	26	4	6	81	12	10	1	1	6	40	2		1	3	31
White-eyed Vireo	5	27		4	4	23	2		26	4				19						22
Blue-headed Vireo	1	3			3	6	5	3	1	2	12	3		1	6	1	1	3	3	
Yellow-throated Vireo	1	6		4	1	10	4	4	15	7				3	3	2			2	3
Warbling Vireo	4	41		8	3	18	16	10	86	10			1	1	23				7	10
Philadelphia Vireo		1		1	6					2						2				
Red-eyed Vireo	4	170		87	34	229	97	32	180	27	24	7	27	55	90	32	12	9	27	207
Blue Jay	20	184	6	45	121	208	38	61	363	28	82	2	26	89	172	58	34	45	12	120
American Crow	7	190	6	37	137	208	93	158	243	46	109	9	28	136	127	50	29	95	23	104
Fish Crow	8					17	6		43					7	16			4		40
<i>crow sp.</i>									23						27					
Common Raven	2	2			15		9	4			3		2	5			3	2		6
Horned Lark	2									3					24	1		1	3	15
Purple Martin	13	4		1	59	69			7	89				12	64		2	6	2	30
Tree Swallow	17	52	6	21	129	462	99	176	345	61	136	6	13	96	168	4	14	22	86	39
N Rough-winged Swallow	1	90		30	6	55	72	8	91	9	13	2	8	13	17	7	2	4	1	29
Bank Swallow	32			45	14			65	101	2									101	2
Cliff Swallow		3			32	72	18	13	33	288	3	49		29				115	180	
Barn Swallow	16	65	4	81	130	227	21	37	238	57	137	14	15	109	97	19	13	37	48	147
<i>swallow sp</i>									1											
Carolina Chickadee	3	78		19	1	35			115						96					42
Black-capped Chickadee	2	16	11	8	87	33	44	89	5	22	51	11	16	36		44	28	21	13	8
<i>chickadee sp.</i>		40				39		1	28											
Tufted Titmouse	8	159	6	46	52	117	78	32	190	18	16		8	56	116	12	11	24	12	59
Red-breasted Nuthatch														3						
White-breasted Nuthatch	3	32	4	8	38	25	28	19	65	7	18	1	1	13	38	9	2	9	3	18
Brown Creeper		1			3	3	1	1		4									1	
Carolina Wren	5	44	1	7	21	70	70	6	116	8			10	7	57	1		4	1	43
House Wren	9	75	1	5	26	86	61	26	196	19	16		13	25	81	4	7	21	11	53
Winter Wren							11			2		2				1			1	
Marsh Wren						1			1					1					8	
Golden-crowned Kinglet					1	5														1
Ruby-crowned Kinglet	1	2			1	2			2		1			2	3	1				1
Blue-gray Gnatcatcher	8	41		12	9	65	40	3	159	21	7	2	3	7	70	4	2	1	2	41
Eastern Bluebird	8	31	6	4	57	57	176	26	66	8	18	4	2	38	76	3	4	16	16	42
Veery	1	2				58		8	112	5	1	1	4	1	69					1
Gray-cheeked Thrush						1			4											
Swainson's Thrush		20				21			45	1					5	1				1
Hermit Thrush				1	14	2	3	1		4	1	4	1		5					1
Wood Thrush	16	122	2	13	35	230	116	44	318	17	30		11	41	141	18	10	70	20	90

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Mourning Warbler						2				2										
Common Yellowthroat	26	75		13	87	185	44	72	407	31	59		44	153	175	26	5	46	20	113
Hooded Warbler		60		26	12	29	13	1	5	17	10	1		4	1	9		11	11	43
Wilson's Warbler	3	3		1		3			2	1	1			2						1
Canada Warbler	1	4				15		1	19		1	1		1	8					2
Yellow-breasted Chat		9		2		2	4		1	3	1			4	1					10
Summer Tanager*																				
Scarlet Tanager	8	105		36	59	113	46	28	122	19	22	2	3	16	52	33	7	12	10	85
Eastern Towhee	8	182	2	52	161	132	54	24	153	41	58	4	27	120	107	19	26	37	8	108
American Tree Sparrow					13			8						2	3			1		
Chipping Sparrow	19	74	7	87	103	214	94	80	136	77	95	17	31	66	83	53	18	49	12	100
Clay-colored Sparrow																				
Field Sparrow	4	46		61	37	61	16	23	45	20	29	2	9	48	45	6	7	6	1	69
Vesper Sparrow					1		2				4						2			3
Savannah Sparrow		1		3	2	3	16		18	10	8				10	3			6	3
Grasshopper Sparrow	1	9		7		4	4	1	3		13			3	14	2	4			20
Henslow's Sparrow		6		16							1					5				
Fox Sparrow					1															
Song Sparrow	5	173		52	54	144	132	109	236	30	52	4	26	150	159	12	25	54	20	71
Lincoln's Sparrow					6	1			1	2				3						
Swamp Sparrow		5		3	21	3	11	4	13	8	5	2		31	3				10	
White-throated Sparrow	41	13			17	76	2	6	52	6	6	1	6	5	24					12
White-crowned Sparrow	1	5			10			5	3	22	5	1		11	1	1	5	1	5	9
Dark-eyed Junco					2			27	1		6	6		3	2	18	5	3		
Lapland Longspur																				
Northern Cardinal	20	287	12	44	131	308	91	84	379	66	54	8	20	105	245	19	19	71	33	178
Rose-breasted Grosbeak	2	81	6	12	78	79	21	42	101	20	45	2	7	21	9	22	22	14	28	5
Blue Grosbeak*									1					1						
Indigo Bunting	8	123	3	65	46	97	35	30	86	12	23	4	11	18	56	25	8	6	10	115
Dickcissel																				1
Bobolink	4	1		16	8	8		26	120	18	20		2		43				36	3
Red-winged Blackbird	30	283	9	189	263	432	87	387	723	131	288	7	40	277	348	72	36	82	73	390
Eastern Meadowlark	2	6		9	21	11	14	18	9	28	13			3	10	6	4	3	4	17
Rusty Blackbird											1									
Common Grackle	8	197	18	63	151	703	105	213	526	139	173	19	46	210	133	21	73	159	29	309
Brown-headed Cowbird	14	85	2	28	44	135	17	48	274	33	52	2	8	57	105	5	6	26	19	57
<i>blackbird sp.</i>											3						2			
Orchard Oriole	1	35		2	10	24	4		41	7	3		1	3	32					8
Baltimore Oriole	13	161		48	67	135	35	115	336	26	26	4	10	69	124	15	10	33	17	75
Purple Finch			4	3	15	1		11		8	17	1				8	7		1	

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House Finch	15	50	6	20	81	91	66	52	125	37	26	3	6	31	75	1	11	13	10	68
Pine Siskin					2															
American Goldfinch	15	248	16	55	139	211	54	221	187	46	121		22	108	119	36	54	56	38	168
Evening Grosbeak					1															
House Sparrow	8	89	3	36	87	150	166	54	154	100	61	11	4	105	29	8	12	30	18	105
<i>Ringed Turtle-Dove</i>									1											
<i>Great Egret x Great Blue</i>																				
<i>Chukar</i>																				
Total participants	6	72	4	6	38	45	11	30	75	5	18	1	3	10	36	6	6	7	2	16
feeder	0		4	3	11	3	2	0	0		5		0		0	2	3			
nocturnal	0		0	1	3	3	2	1	10		1		0		1		0	3		1
Total party hours	42.0	195.0	21.0	27.0	236.5	150.5	75.0	222.0	233.6	24.0	88.5	2.0	6.0	54.0	81.0	30.5	27.0	29.0	11.0	67.0
Nocturnal hours	0			2	2.5	6	6	1	9.5		0.5		0		3			1.5		2
Feeder hours	0		21	7	27	33	12	37	3		39		0		0	9	15			
Tot miles	98.0	196.0	0.0	121.0	100.0	366.0	176.0	394.0	457.0	91.0	158.5	0.0	31.0	185.5	112.0	91.8	64.0	180.0	35.0	205.0
Miles on foot	4	84	0	4	23.5	72	36	37.35	98.5	3	27.5		3	27.5	30	5.75	6	7.5	10	21
Miles traveled	94	112	0	117	76.5	294	140	356.6	358.5	88	131		28	158	82	86	58	172.5	25	184
Hrs / Obs	7	2.71	5.25	4.50	6.22	3.34	6.82	7.40	3.11	4.80	4.92	2.00	2.00	5.40	2.25	5.08	4.50	4.14	5.50	4.19
Birds / Hr	18.95	36.72	11.00	94.85	20.02	71.96	55.28	19.36	71.96	140.75	37.32	182.50	138.50	75.46	76.12	35.18	40.19	72.90	158.36	93.33
Total birds	796	7160	231	2561	4735	10830	4146	4299	16806	3378	3303	365	831	4075	6166	1073	1085	2114	1742	6253
Total species	108	132	37	128	145	161	128	119	163	141	116	77	80	130	133	99	83	99	98	148
total "sp"	1	4	0	0	0	4	0	1	6	0	1	0	0	0	1	0	2	0	0	1

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Species	DAUP	DEL A	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LE BA	LEHI	LUZE	LYCO	MERC	McKE
Snow Goose											3	37	31	2	1			
Canada Goose	72		7	26	36	428	333	36	323	179	158	791	372	43	214	42	6	23
Mute Swan										23	4				1			
Tundra Swan				1								1	3					
Wood Duck	21		2	10	1	24	23	14	23	169	7	173	11	4	24	31	4	11
Gadwall				3														
American Wigeon																		
American Black Duck	1										2	4						
Mallard	70	2	2	12	2	176	47	9	97	111	63	229	104	15	86	22	3	17
Blue-winged Teal							2											
Northern Pintail												1						
Green-winged Teal																		
Canvasback				1														
Ring-necked Duck								24			1					3		1
Greater Scaup				8					1							2		
Lesser Scaup	28			13					1			8						
Bufflehead	1											2				2		
Common Goldeneye												2			6			
Hooded Merganser	3					1			3	11		1			1			
Common Merganser	4		2		10	4			5	9	6	3		3		12		8
Red-breasted Merganser	14			30								1						
Ruddy Duck				6					1						1			
Ring-necked Pheasant	6					7	7	1	9	2		5	2			4		
Ruffed Grouse			4		1		3	2	6	2	3		5		1	8		3
Wild Turkey	4		4	8	1	16	80	3	39	14	16	9	25		20	6		13
Northern Bobwhite							2		2		2							
Red-throated Loon																2		
Common Loon	11	1			1			2	7			6		2		3		1
Pied-billed Grebe			1			1		1	3			5						
Horned Grebe	3			1					4			1						
Double-crested Cormorant	18		7	125		1		9	4	15	6	194			3	3		1
Great Cormorant*																		
American Bittern	1														1			
Least Bittern																		
Great Blue Heron	9		2	6	1	14	79	3	32	8	12	75	7	2	6	9	1	1
Great Egret	18									5		2						
Snowy Egret												1						
Little Blue Heron																		
Green Heron	8		1		1	8	6		5	10		7	4	1	7	4		
Black-crowned Night-Heron							1	2				10						
Black Vulture	17						12	4		13		172	14		2			

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Species	DA UP	DELA	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LEBA	LEHI	LUZE	LYCO	MERC	M cKE
Turkey Vulture	48		6	7	15	187	251	22	112	111	20	241	154	6	55	41	7	18
Osprey	1					3				1	2	20	1	1	4		1	2
Mississippi Kite*																		
Bald Eagle	1			1	2	2		2		4		34		1	1		1	1
Northern Harrier						6		1				1		1		1		
Sharp-shinned Hawk	3	1	1			5	7		4	4			2	6				1
Cooper's Hawk	1			1	1	10	4		5	7	1	7	3	4	3		1	
<i>Accipiter sp.</i>						1				1								
Red-shouldered Hawk			2			2		7		7	1	1	3					4
Broad-winged Hawk	2		1		1	1	1	3	2	36	3	6	4	1	9			3
Red-tailed Hawk	13		4	3	1	49	47	4	46		11	53	18	11	22	5	2	11
American Kestrel	1	1	1	2		22	12	2	9	14	3	15	4	6	4	6		2
Merlin									1									
Peregrine Falcon												2			3			
Virginia Rail												5			2			
Sora												4			2			
Black Rail																		
Common Moorhen																1		
American Coot	1			3		2		1	24			7	1		1			
Black-bellied Plover												16						
Semipalmated Plover	2						3		1			20	3	2	4			
Killdeer	23		2	4	4	93	38	7	53	27	17	44	21	5	20	7	1	17
Greater Yellowlegs	13				1			3	1		2	7	2	1	1			
Lesser Yellowlegs	31				1	1		2	4			14	13	9	10			
Solitary Sandpiper	16				1	10	6		5	10	2	18	13	3	9	3		
Spotted Sandpiper	8			4	1	10	10	2	16	176	9	56	18	2	8	3		1
Upland Sandpiper																		
Sanderling																		
Semipalmated Sandpiper	1											1	10	8	1			
Least Sandpiper	17			10		8		1	3	3		162	24	3	74			
<i>peep sp.</i>													40					
White-rumped Sandpiper												1	2					
Pectoral Sandpiper												4			1			
Dunlin	2			2								6						
Short-billed Dowitcher									2									
Wilson's Snipe						1							1		1			
American Woodcock			1	1	2	4		3	2		6	5	1		4		1	1
Laughing Gull*																		
Bonaparte's Gull				6						1		39						
Ring-billed Gull	92		2	175	4	4			8		2	2209	7			53		
Herring Gull	3			40								6					30	

16th ANNUAL PENNSYLVANIA MIGRATION COUNT, 12 MAY, 2007

Species	DA UP	DELA	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LEBA	LEHI	LUZE	LYCO	MERC	M cKE
Iceland Gull																		
Lesser Black-backed Gull																		
Great Black-backed Gull	1			4								7						
Caspian Tern				36								2						
Common Tern									4			4						
Forster's Tern												3						
Black Tern									1			7						
Rock Pigeon	16		9	18	2	361	9	33	54	172	61	206	105	17	36	11	6	
Eurasian Collared-Dove*						3												
Mourning Dove	76	4	11	10	26	626	194	47	307	149	86	379	152	55	77	101	2	39
Black-billed Cuckoo	5		1			7	3	2	5	19	2	5	4	1	3	3	1	1
Yellow-billed Cuckoo	6					3	58	18	12	16	82	4	46	10		11	5	2
Barn Owl										5			4					
Eastern Screech-Owl						2	3		2	21		7	2		3	1		3
Great Horned Owl	1		1			2			1	2		2	1		3		1	1
Barred Owl	1		1			7	5	2	2	3	2	2	1		2	2		3
Northern Saw-whet Owl															1	1		3
Common Nighthawk									2						1			
Whip-poor-will					2	12	1	1	1	12					12			
Chimney Swift	22	1	31	10	12	101	225	6	187	134	17	80	84	12	37	26	1	107
Ruby-throated Hummingbird	9	1	7	2	4	75	53	14	60	33	9	27	13	3	16	9	2	9
Belted Kingfisher	3		2	1	2	20	3	3	3	10	2	18	3	1	7	6	1	9
Red-headed Woodpecker						24		1		1								
Red-bellied Woodpecker	15	2			5	164	63	17	74	140	4	129	44	16	31	17	3	
Yellow-bellied Sapsucker			14			3					4		1		8	5		31
Downy Woodpecker	20		4	2	3	76	29	14	42	76	20	37	20	8	29	9	4	14
Hairy Woodpecker	5		1	1		16	7	2	19	26	11	17	6	4	17	3	2	8
Northern Flicker	27	6	2	8	14	87	24	9	81	66	17	63	30		23	10	4	1
Pileated Woodpecker	4		2		3	38	17	10	33	26	5	10	7	1	11	5		6
Olive-sided Flycatcher												1						1
Eastern Wood-Pewee	6		1	3		55	21	9	28	39		39	13	1	11	3	3	
Yellow-bellied Flycatcher			1							1								
Acadian Flycatcher					3	7	43	2	17	28		12	2		1		3	
Alder Flycatcher								1	1	1								
Willow Flycatcher						2	5	1	11	2	1	3	3		4	2	1	
Least Flycatcher	2		19	3	3	23		4	4		4	2		3	17	5	1	22
<i>Empid sp.</i>					1				1			1				1		
Eastern Phoebe	11		6	1	1	97	55	21	104	74	16	50	18	5	39	22	3	25
Great Crested Flycatcher	7	1		8		76	9	18	17	107		110	15	5	29	5	3	
Eastern Kingbird	10	2	2	3	4	84	28	3	15	57	11	85	15	4	25	8	2	2

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Species	DA UP	DELA	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LEBA	LEHI	LUZE	LYCO	MERC	M cKE
White-eyed Vireo	1	4		1		7	37		10			34	8	1			1	
Blue-headed Vireo			28	2	14	3		4	31	17	5	3		2	26	8	2	41
Yellow-throated Vireo	1		1			2	9	3	16	32	7	15	5	2	10		4	
Warbling Vireo	11		1	23		25	16	8	4	111	10	48	4	3	7	11	3	6
Philadelphia Vireo				1			1					1						1
Red-eyed Vireo	22	16	49	1	10	350	105	40	285	309	45	235	180	18	71	47	10	47
Blue Jay	93	7	1	6	18	339	166	52	351	285	71	334	104	39	84	55	4	11
American Crow	82	3	16	18	36	254	196	41	439	197	119	192	83	21	154	125	9	5
Fish Crow	6					23		3	1	14	4	107	15		24	4		
<i>crow sp.</i>	8					8						20						
Common Raven	1		2		1	11	8	3	15	29	2		1		10	4		9
Horned Lark	5					41			3	4		31	122	1	3			
Purple Martin						43	109			63		456	30				120	
Tree Swallow	29		11	40	12	242	105	19	148	107	251	372	156	42	206	103	4	56
N Rough-winged Swallow	22		7	2	15	45	56	1	48	48	6	79	27	18	48	18	2	12
Bank Swallow	3			12	12	1			1			28			302		3	1
Cliff Swallow	16		41		4			15	6	32		7			2		11	121
Barn Swallow	35	1	23	40	17	488	211	94	424	253	138	346	57	44	94	40		85
<i>swallow sp</i>																		
Carolina Chickadee		4				21	57		1			119	30					
Black-capped Chickadee	3		21	1	26	62	8	39	157	69	72	1	15	6	100	52	6	54
<i>chickadee sp.</i>	11					5						48						
Tufted Titmouse	26	5	1	3	13	156	91	48	140	202	26	178	23	9	82	37	7	7
Red-breasted Nuthatch	1		2		1	1		5			2			2				2
White-breasted Nuthatch	8		4	3	2	39	35	14	58	47	18	31	14	5	29	6	1	32
Brown Creeper			1			3		5	3		2		1		8			21
Carolina Wren	21		1			101	69	22	26	129	9	103	21	10	22	4	2	1
House Wren	33		2	7	2	166	60	18	87	55	18	143	40	8	39	29	10	14
Winter Wren			11	1	3					1		1	1		3			19
Marsh Wren																		
Golden-crowned Kinglet						7		2	1	2		4						5
Ruby-crowned Kinglet				5		10			5	4		8		1	3			1
Blue-gray Gnatcatcher	5	8	3	1	4	43	18	19	16	81	3	119	34	5	47	2	3	11
Eastern Bluebird	25		2		4	170	90	6	93	70	10	90	30	4	38	19	2	22
Veery	2	1	7	2	3	3			2		18	54	18	5	31	6	2	8
Gray-cheeked Thrush			1	1		1						2						
Swainson's Thrush	1	4	1		2	1	2		7	3		10	10		1			1
Hermit Thrush			9	2	11	3		1	8	4	17	1			13	15		22
Wood Thrush	43	8		5	8	207	127	45	262	181	36	335	175	26	49	42	14	3
American Robin	202	4	44	42	56	1033	608	83	1146	464	195	716	363	35	409	114	26	114
Gray Catbird	221	45	3	24	23	457	146	57	262	362	89	448	436	14	145	121	12	31

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Species	DA UP	DELA	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LEBA	LEHI	LUZE	LYCO	MERC	M cKE
Northern Mockingbird	22					204	27	10	21	46	2	80	18	6	16	6		
Brown Thrasher	34		2	3	2	105	29	12	34	38	11	18	18	1	6	8	1	2
European Starling	76		6	18	50	1410	377	29	611	514	131	675	630	16	248	49	7	243
American Pipit						19		2		72		32	2					
Cedar Waxwing	25		4			39	11	28	24	319	9	99	25	10	21	23	4	4
Blue-winged Warbler	9	6			1	6	13	5	31	8	17	24	21		13	2	3	2
Golden-winged Warbler						4		3		10	1				1			
<i>Brewster's Warbler</i>						1		1							1			
<i>Lawrence's Warbler</i>											1							
Tennessee Warbler	1			1		3	7		3		3	1	1	1	4		17	1
Orange-crowned Warbler	2										1							
Nashville Warbler	2		3	1		2			10	3	6	6	4		5	9	4	4
Northern Parula	3	5	1	4	5	9	18	9	9	15	3	49	6	4	16	2		1
Yellow Warbler	66	8	7	43	19	84	182	14	207	83	66	72	74	8	143	33	15	41
Chestnut-sided Warbler	15		23	8	18	18	5		36	22	26	45	13		37	29	4	17
Magnolia Warbler	5	1	2	13	8	5	6	3	34	8	1	20	7		24	14	6	12
Cape May Warbler			1	3		2			3	1		3			6			19
Black-throated Blue Warbler	35		13	4	8	35			3	22	3	50	55	4	3	33		7
Yellow-rumped Warbler	10	4	2	122	1	29	10	1	16	32	17	196	26	2	79	31		41
Black-throated Green Warbler	6	3	7	4	31	65		7	101	49	36	52	70	4	53	69		34
Blackburnian Warbler	3		4	1	14	10	1	1	16	15	2	15	20	1	13	16		
Yellow-throated Warbler	16					2	10					9						
Pine Warbler			2			3		2	5			3	1		2	1		
Prairie Warbler	2	1				4	3	6	29	14	15	15	3	2	18	9		
Palm Warbler				34		3			1	3			2			4		1
Bay-breasted Warbler	1						5		2	1		8			11	1		
Blackpoll Warbler	5					15			2	14	1	23	15	2	10	2		1
Cerulean Warbler	1		1			10	16	6	3	22		9		1			4	2
Black-and-white Warbler	8	1	1	4	5	14	9	1	14	29	28	43	34	5	39	34		6
American Redstart	33	11	11		6	72	68	18	116	88	19	57	40	3	64	36	7	33
Prothonotary Warbler						1					1	6					2	
Worm-eating Warbler	1					9	1	6	1	43		14	6	3	5	5		
Swainson's Warbler*																		
Ovenbird	16	3	12		42	181	25	52	321	192	99	244	266	22	143	102	9	40
Northern Waterthrush	2			1		6			2	11	1	6	2		6	2	1	4
Louisiana Waterthrush	1		2		2	17	14	6	8	37	2	19	10	1	7	3		9
Kentucky Warbler	1						12		16	1		5	3		1			
Connecticut Warbler																		
Mourning Warbler			1	1		1			1	1		2			1			3
Common Yellowthroat	33	23	4	11	17	133	118	56	321	139	102	122	187	6	92	47	9	3

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Species	DA UP	DELA	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LEBA	LEHI	LUZE	LYCO	MERC	M cKE
Hooded Warbler	2	1	2		10	29	8		90	35		10	18	4	6	4	13	2
Wilson's Warbler	1			1	1				4	2	1	2	4				1	
Canada Warbler	2		1	3	2	1			1	3	1	10	5		11		1	1
Yellow-breasted Chat	4					9	11	1	6	13		15	3					
Summer Tanager*							1											
Scarlet Tanager	9		3		17	126	75	24	174	120	28	97	46	12	39	20	8	4
Eastern Towhee	21	13	17	13	27	180	231	46	422	101	25	100	34	3	56	52	7	21
American Tree Sparrow	11																	
Chipping Sparrow	33		37	8	28	251	143	46	425	175	86	293	77	31	72	52	5	51
Clay-colored Sparrow				2														
Field Sparrow	19		4	2	3	119	33	15	105	70	54	56	23	6	26	15	8	20
Vesper Sparrow						23			4	1		4			1			
Savannah Sparrow	1		4	1	3	3	3		3	3	7	9	6	2	3	2		1
Grasshopper Sparrow			1			36	7	2	6	6	2	24	4	4	23	2		
Henslow's Sparrow						1			19									
Fox Sparrow						1												
Song Sparrow	62	8	13	10	28	223	149	26	351	405	90	189	42	18	94	45	15	3
Lincoln's Sparrow						1						1			1			
Swamp Sparrow	6	1	2	2	1	3		1	16	2	13	10	7		14	2	1	2
White-throated Sparrow	5	9	1	7		43	2		4	22	5	97	82	1	21	5	1	11
White-crowned Sparrow	3			4	3	16	15	4	27	7					7	6		2
Dark-eyed Junco			14		2	4				2	3				4	15		32
Lapland Longspur												4						
Northern Cardinal	77	9	8	5	14	411	242	35	337	326	51	369	101	18	84	43	15	21
Rose-breasted Grosbeak	9		9	9	23	19	95	9	156	32	26	46	17	13	43	9	17	24
Blue Grosbeak*												3						
Indigo Bunting	21		6		12	163	99	20	197	267	24	275	95	5	36	17	7	12
Dickcissel						1												
Bobolink	20				15	53	30	3	28	4	66	33	16	4	16	59	1	2
Red-winged Blackbird	158		21	70	72	571	514	60	1155	517	417	454	208	30	215	73	20	81
Eastern Meadowlark	1				6	77	49	14	61	24	2	25	10	9	10	9	1	1
Rusty Blackbird						4												
Common Grackle	139		15	55	101	1033	164	70	871	1204	72	1096	199	30	178	105	5	114
Brown-headed Cowbird	33	6	2	30	9	298	198	13	118	202	140	177	63	27	871	25	11	17
<i>blackbird sp.</i>																		
Orchard Oriole	12			1		45	49	6	12	45		74	9	1	1	1	1	1
Baltimore Oriole	73		4	38	11	280	96	27	188	438	76	250	98	13	60	73	11	26
Purple Finch	1		4		3	7			19		20				9		1	8
House Finch	24		7		5	181	54	16	92	72	39	68	36	9	28	16	1	19
Pine Siskin																		4
American Goldfinch	34		7	18	36	380	154	36	361	165	95	339	65	21	119	47	10	18

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Species	DA UP	DELA	ELK	ERIE	FORE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LEBA	LEHI	LUZE	LYCO	MERC	M cKE				
Evening Grosbeak																						
House Sparrow	47		11	4	30	606	169	13	254	176	59	304	140	9	59	27	2	37				
Ringed Turtle-Dove																						
Great Egret x Great Blue																						
Chukar																						
Total participants	20	1	1	1	2	66	40	10	67	27	11	44	13	6	26	11	4	1				
feeder	0				0	15	9	0	25	1	1			1	4							
nocturnal	0				2	7	0	0	5	15	2	10	1		6	3						
Total party hours	137.1	3.0	2.0	7.0	16.3	239.5	149.3	36.5	219.0	86.0	13.0	169.3	71.5	29.0	88.0	26.0	14.0	7.0				
Nocturnal hours	0				1.5	3.5	0	0	7	7.5	1	11	1.25		5	1		3				
Feeder hours	0				1.5	68.5	34.5	0	71.5	1	6	6		12	6							
Tot miles	42.00	2.00		185.00	145.00	800.50	489.00	137.50	786.50	198.00	258.00	644.20	171.00	35.00	333.00	100.00	43.00	149.00				
Miles on foot	20	2		3.5	0	5.2	8	13	58.5	39.5	13	64	25	5	50	10	16	4				
Miles traveled	28			181.5	145	745.5	481	125	628	158.7	245	580	146	30	283	90	37	141				
Hrs / Obs	6.86	3.00	2.00	7.00	8.13	3.63	3.73	3.65	3.27	3.19	1.18	3.85	5.50	4.83	3.38	2.36	3.50	7.00				
Birds / Hr	22.13	81.67	381.00	203.00	71.63	63.59	51.45	49.12	61.81	136.09	293.92	102.08	90.15	33.41	71.86	103.42	43.93	32.86				
Total birds	3034	245	762	1421	1164	1523	0	7679	1793	1353	7	1170	4	3821	1727	7	6446	969	6324	2689	615	230
Total species	143	42	108	105	101	159	113	120	157	142	120	180	137	105	153	119	92	1330				
total "sp"	2	0	0	0	1	4	0	1	1	1	1	3	1	0	1	1	0	0				

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Species	MIFF	MNTG	MNTO	NORH	PERR	PHIL	PIKE	SCHU	SNYD	SULL	TIOG	VENA	WARR	WASH	WEST	WYOM	YORK
Iceland Gull																	
Lesser Black-backed Gull				13													
Great Black-backed Gull						8											
Caspian Tern									2								
Common Tern																	
Forster's Tern						6											
Black Tern																	
Rock Pigeon	209	2		75		65		49	1	12	23	5		12	79	6	90
Eurasian Collared-Dove*																	
Mourning Dove	116	16	9	93	19	93	5	124	27	21	27	6	22	39	113	22	56
Black-billed Cuckoo	10	2	1		1		1	5				1	1	3	12	1	
Yellow-billed Cuckoo	17	1	1	3	11	3	5	20	1	3			2	20	11		13
Barn Owl																	
Eastern Screech-Owl	3			1		2		3									
Great Horned Owl	1			1				10			1			1			
Barred Owl	1							3						1	3	1	1
Northern Saw-whet Owl										1							
Common Nighthawk								1				1			1		3
Whip-poor-will	2			1				5		3	1			10	2		
Chimney Swift	17	6		39		72	3	18	6	9	4	42	12	175	197	9	10
Ruby-throated Hummingbird	29	3		17	5	6	5	26			3	1	1	7	46	1	5
Belted Kingfisher	4		2	5		1	2	9		1	2			3	8	1	4
Red-headed Woodpecker	9						2								4		4
Red-bellied Woodpecker	42	5	3	32	13	39	6	42	1	1	3	1	4	21	89	4	34
Yellow-bellied Sapsucker										7	17	1	7				1
Downy Woodpecker	18	3		28	1	27	4	47	3		7	1	4	10	46	1	9
Hairy Woodpecker	10		1	4	1	2		9		2	6			3	10	1	5
Northern Flicker	38	2	2	21	4	30	2	35	6	3	7	4	8	12	35	3	4
Pileated Woodpecker	15	1		2	3	1	3	21	2	1	7		2	5	20		1
Olive-sided Flycatcher																	
Eastern Wood-Pewee	12	1		4		2	1	11	2			1	2	23	40		20
Yellow-bellied Flycatcher	3																
Acadian Flycatcher				2		1		1						29	37		4
Alder Flycatcher										1							
Willow Flycatcher				2		1		3						10	11		
Least Flycatcher				1		1	2	10		7		1	5	5	3	7	
Empid sp.		1									2				1		
Eastern Phoebe	38	1		10	6	7	10	43	12	1	10	2	2	15	49	7	9
Great Crested Flycatcher	36	1		13	4	16	5	25	1		1		2	10	5	4	7
Eastern Kingbird	9	1		19		28	4	20	1	1		1	4	16	15	7	3
White-eyed Vireo	7			9		12		1					2	21	10		8

16th ANNUAL PENNSYLVANIA MIGRATION COUNT, 12 MAY, 2007

Species	MIFF	MNTG	MNTD	NORH	PERR	PHIL	PIKE	SCHU	SNYD	SULL	TIOG	VENA	WARR	WASH	WEST	WYOM	YORK
Blue-headed Vireo	3			3		3	1	14	1	23			5	3	1	2	
Yellow-throated Vireo	2			3		1	5	3					4	11	7		4
Warbling Vireo	1	6		19		56	1	2		1			2	39	30	3	5
Philadelphia Vireo													1				
Red-eyed Vireo	89	6		32	15	41	24	273	41	7	5	2	23	101	228	8	41
Blue Jay	44	6	10	76	58	36	9	321	8	21	34	4	10	62	188	11	43
American Crow	145	3	7	111	24	22	17	336	18	26	51	11	35	69	236	26	43
Fish Crow	2		5	11		2	1	10									5
crow sp.			2														5
Common Raven	7			1				4		4	4		2		7	1	
Horned Lark	7			1				4	6						32		
Purple Martin	101							75			2				9	1	11
Tree Swallow	54	14	5	67	4	312	14	116	18	28	40	15	70	38	113	30	19
N Rough-winged Swallow	1			6		48		59	1	3	3	2	14	24	29		18
Bank Swallow				6		3		73			1		1		7		
Cliff Swallow	6							57			3	6	12		2		11
Barn Swallow	142	3	12	59	10	57	2	255	13	31	27	13	26	73	175	10	35
swallow sp																	
Carolina Chickadee		9				41								24	31		21
Black-capped Chickadee	31		1	26	4		11	93	8	21	33	5	27		56	9	3
chickadee sp.															14		2
Tufted Titmouse	63	10	2	45	19	32	8	98	5	3	3	1	9	36	78	9	28
Red-breasted Nuthatch								3		3	2			3			
White-breasted Nuthatch	22	3	1	12		10	1	19		2	6		6	8	28	1	2
Brown Creeper								3		3	1		1		1		
Carolina Wren	23	5		19	6	49	1	34	7		1	1		35	54	7	17
House Wren	27	8	3	39	4	66	3	50	4	4	6	1	1	60	40	5	26
Winter Wren				1					2						5		
Marsh Wren						6					12						
Golden-crowned Kinglet								3		1			1		1		
Ruby-crowned Kinglet	2			1		1	1	22		2	1		5				3
Blue-gray Gnatcatcher	15	3	1	18	3	37	10	34	2		2	2	8	39	49	7	27
Eastern Bluebird	59		2	17	10		2	62	6	2			2	18	38	5	13
Veery		6		3		46	2	38		2	6		8	2	7	1	2
Gray-cheeked Thrush		1				3									1		
Swainson's Thrush	2	6		2		28	2	4		1			4	10	4		4
Hermit Thrush	2					1	1	19		13	2		2		2		
Wood Thrush	54	8	7	87	11	63	10	139	22	2	8	5	9	66	187	11	72
American Robin	290	23	15	178	14	1048	11	354	48	55	72	55	46	213	795	105	82
Gray Catbird	97	16	23	160	6	568	16	351	39	19	14	6	11	97	222	24	118
Northern Mockingbird	22		1	15	2	15		54	6					24	22	4	18

16th ANNUAL PENNSYLVANIA MIGRATION COUNT, 12 MAY, 2007

Species	MIFF	MNTG	MNTD	NORH	PERR	PHIL	PIKE	SCHU	SNYD	SULL	TIOG	VENA	WARR	WASH	WEST	WYOM	YORK
Brown Thrasher	19		4	5	2	6		8	2		6		1	7	10	2	3
European Starling	212	8	11	176	4	316	7	225	49	40	14	17	58	144	361	20	78
American Pipit	18							11									
Cedar Waxwing	4	4		5		19	1	17				3		6	54	1	20
Blue-winged Warbler	2			15	5	4	7	27				2	10	69	19	4	13
Golden-winged Warbler		1			3		1	2							2		
Brewster's Warbler							2	1							1		
Lawrence's Warbler																	
Tennessee Warbler	3							4				1	2	28	4		
Orange-crowned Warbler															3		
Nashville Warbler	1	1		1		1	1	6		6			1	7	3		1
Northern Parula	2	4		4		68	14	21		1		1	5	6	9		16
Yellow Warbler	42	6	6	52	3	118	12	79	17	28	19	15	22	197	169	35	30
Chestnut-sided Warbler	9	2		10		8	1	66	1	48	6	1	7	7	42	6	18
Magnolia Warbler	4	4		7		29	3	22		17	8		22	14	15		10
Cape May Warbler		2				2		1				1		1	1		
Black-throated Blue Warbler	10	6		12		38	4	32		6	20		6	1	15	2	19
Yellow-rumped Warbler	15	18		20	3	122	3	94	1	6	22	1	1	7	1	3	3
Black-throated Green Warbler	17	2	1	9	5	33	9	64	16	21	25		6	11	54	8	14
Blackburnian Warbler	8	1				7	4	6	9	22	3	1	22	4	8		1
Yellow-throated Warbler	9													9	6		
Pine Warbler	1						2	8			1			1			
Prairie Warbler	21			1	1	4	14	18		9	1			17	7	5	8
Palm Warbler								1									
Bay-breasted Warbler	2	2		1		4		2			1	1	2	3	1		
Blackpoll Warbler	3	4		3		55		7						3	3	1	7
Cerulean Warbler				2				1					7	14	19		
Black-and-white Warbler	26	8		12	1	37	8	72	6	10	3	1	4	2	13	3	10
American Redstart	19	5		28	3	58	18	24	5	7	15	1	46	96	99	13	30
Prothonotary Warbler														1			
Worm-eating Warbler	10			4	10	1	7	12	6						1		5
Swainson's Warbler*																	
Ovenbird	58	10	2	46	22	54	24	473	40	46	27	3	2	127	47	21	51
Northern Waterthrush	1	1		4		6	1	3		1			1	1	3	1	
Louisiana Waterthrush	5			4	2		4	7	4				1	6	20	4	2
Kentucky Warbler														7	16		1
Connecticut Warbler															1		
Mourning Warbler	2												1		1		
Common Yellowthroat	53	5	5	37	12	74	11	257	19	23	57	4	14	145	197	32	26
Hooded Warbler	12	1		4	7	3	4	30	2			2	6	106	56	3	3

16th ANNUAL PENNSYLVANIA MIGRATION COUNT, 12 MAY, 2007

Species	MIFF	MNTG	MNTD	NORH	PERR	PHIL	PIKE	SCHU	SNYD	SULL	TIOG	VENA	WARR	WASH	WEST	WYOM	YORK
House Sparrow	135	6	4	42	5	56		213	17	1		4	12	71	317	11	25
Ringed Turtle-Dove																	
Great Egret x Great Blue														1			
Chukar															1		
Total participants	21	2	2	10	2	21	22	24	3	1	10	1	3	4	35	4	11
feeder				0		0	0						1	0	1	0	
nocturnal	2			2		0	0	7		1	1		0	2	0	0	1
Total party hours	63.0	7.5	5.5	39.0	5.3	40.8	11.0	116.0	8.0	15.0	26.0	10.3	13.0	35.8	115.0	8.0	41.0
Nocturnal hours	1			1.5		0	0	12		2.5	1			5		0	0.5
Feeder hours				5		0	0	7					2	0	8	0	
Tot miles	28.00	18.50	9.00	221.00	3.50	90.00	158.00	347.00	94.00	169.00	64.50	149.50	89.00	341.5	476.00	95.00	75.00
Miles on foot	5	3.5	4	24	3.5	35	8	70	1	1	8.5	1.5	2	8.5	57	5	15
Miles traveled	23	15	5	197		55	150		93	168	56	148	87	333	424	90	60
Hrs / Obs	3.00	3.75	2.75	3.90	2.63	1.94	0.50	4.83	2.67	15.00	2.60	10.25	4.33	8.94	3.29	2.00	3.73
Birds / Hr	69.76	55.47	51.45	90.77	102.10	145.10	53.82	70.98	110.38	70.87	56.35	49.27	84.62	121.20	77.54	110.75	54.02
Total birds	4395	416	283	3540	536	5920	592	8234	883	1063	1465	505	1100	4333	8917	886	2215
Total species	121	75	47	128	69	124	95	146	83	96	100	81	112	127	155	96	114
total "sp"	0	1	1	0	0	0	1	1	0	1	1	0	0	0	3	0	2

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
Snow Goose	7861	59	2.2486	93	75	0.0309	0.0231
Canada Goose	7769	53	2.2223	9965	10354	3.1477	2.8178
Mute Swan	72	14	0.0206	89	79	0.0279	0.0212
Tundra Swan	7	5	0.0020	5	4	0.0012	0.0009
Wood Duck	1147	48	0.3281	1147	1012	0.3381	0.2670
Gadwall	9	2	0.0026	6	6	0.0017	0.0014
American Wigeon	3	2	0.0009	5	8	0.0017	0.0013
American Black Duck	21	11	0.0060	35	34	0.0116	0.0099
Mallard	2784	52	0.7963	2990	2991	0.9014	0.8047
Blue-winged Teal	11	6	0.0031	17	25	0.0061	0.0060
Northern Pintail	1	1	0.0003	3	4	0.0006	0.0007
Green-winged Teal	4	2	0.0011	7	11	0.0019	0.0030
Canvasback	2	2	0.0006	1	1	0.0001	0.0002
Ring-necked Duck	21	11	0.0060	12	12	0.0032	0.0029
Greater Scaup	14	5	0.0040	6	5	0.0008	0.0005
Lesser Scaup	61	10	0.0174	33	27	0.0086	0.0056
Bufflehead	15	8	0.0043	16	16	0.0049	0.0043
Common Goldeneye	10	3	0.0029	5	4	0.0009	0.0005
Hooded Merganser	39	18	0.0112	46	40	0.0154	0.0109
Common Merganser	161	25	0.0461	184	165	0.0563	0.0422
Red-breasted Merganser	46	4	0.0132	84	61	0.0236	0.0159
Ruddy Duck	85	13	0.0243	40	86	0.0168	0.0274
Ring-necked Pheasant	109	25	0.0312	115	120	0.0364	0.0331
Ruffed Grouse	101	28	0.0289	99	112	0.0311	0.0303
Wild Turkey	546	43	0.1562	648	573	0.1962	0.1604
Northern Bobwhite	11	6	0.0031	11	13	0.0045	0.0036
Red-throated Loon	3	2	0.0009	6	4	0.0014	0.0008
Common Loon	72	22	0.0206	82	107	0.0237	0.0346
Pied-billed Grebe	23	11	0.0066	25	25	0.0081	0.0070
Horned Grebe	10	5	0.0029	5	6	0.0005	0.0018
Double-crested Cormorant	844	34	0.2414	1074	889	0.3334	0.2347
Great Cormorant*	1	1	0.0003	2	2	0.0004	0.0002
American Bittern	11	8	0.0031	11	9	0.0032	0.0022
Least Bittern	11	4	0.0031	4	3	0.0005	0.0004
Great Blue Heron	718	49	0.2054	769	664	0.2366	0.1810
Great Egret	60	12	0.0172	73	70	0.0231	0.0177
Snowy Egret	14	3	0.0040	5	4	0.0003	0.0006
Little Blue Heron	2	1	0.0006	2	2	0.0003	0.0003
Green Heron	199	37	0.0569	227	201	0.0695	0.0542
Black-crowned Night-Heron	58	8	0.0166	83	117	0.0307	0.0329

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
Black Vulture	376	18	0.1076	314	253	0.0835	0.0643
Turkey Vulture	2527	52	0.7228	2520	2245	0.7542	0.5874
Osprey	95	26	0.0272	153	130	0.0449	0.0343
Mississippi Kite*	1	1	0.0003	1	1	0.0003	0.0001
Bald Eagle	122	28	0.0349	105	77	0.0303	0.0197
Northern Harrier	24	13	0.0069	35	31	0.0114	0.0086
Sharp-shinned Hawk	89	30	0.0255	80	72	0.0238	0.0183
Cooper's Hawk	122	35	0.0349	108	87	0.0301	0.0221
Accipiter sp.	10	7	0.0029	5	6	0.0014	0.0011
Red-shouldered Hawk	66	26	0.0189	53	45	0.0153	0.0121
Broad-winged Hawk	141	35	0.0403	115	102	0.0323	0.0265
Red-tailed Hawk	776	51	0.2220	842	747	0.2627	0.2020
American Kestrel	203	43	0.0581	227	229	0.0722	0.0628
Merlin	2	2	0.0006	4	3	0.0010	0.0006
Peregrine Falcon	10	6	0.0029	11	10	0.0036	0.0027
Virginia Rail	27	11	0.0077	36	28	0.0107	0.0079
Sora	31	9	0.0089	33	29	0.0093	0.0081
Black Rail	1	1	0.0003	0	0	0.0000	0.0000
Common Moorhen	6	5	0.0017	9	9	0.0033	0.0025
American Coot	164	21	0.0469	54	61	0.0095	0.0112
Black-bellied Plover	17	2	0.0049	10	10	0.0028	0.0020
Semipalmated Plover	163	16	0.0466	90	65	0.0200	0.0137
Killdeer	910	51	0.2603	912	893	0.2678	0.2443
Greater Yellowlegs	61	19	0.0174	83	79	0.0272	0.0205
Lesser Yellowlegs	121	19	0.0346	140	120	0.0439	0.0288
Solitary Sandpiper	350	38	0.1001	377	329	0.1131	0.0824
Spotted Sandpiper	637	44	0.1822	668	624	0.2114	0.1676
Upland Sandpiper	1	1	0.0003	3	6	0.0010	0.0013
Sanderling	1	1	0.0003	4	4	0.0010	0.0008
Semipalmated Sandpiper	59	12	0.0169	56	62	0.0159	0.0157
Least Sandpiper	1059	25	0.3029	756	645	0.2162	0.1613
peep sp.	54	4	0.0154	53	31	0.0126	0.0066
White-rumped Sandpiper	3	2	0.0009	5	5	0.0008	0.0005
Pectoral Sandpiper	8	4	0.0023	24	19	0.0072	0.0051
Dunlin	25	7	0.0072	63	48	0.0196	0.0143
Short-billed Dowitcher	2	1	0.0006	36	19	0.0094	0.0050
Wilson's Snipe	11	9	0.0031	35	28	0.0116	0.0073
American Woodcock	80	24	0.0229	91	77	0.0267	0.0202
Laughing Gull*	179	2	0.0512	9221	4778	2.6952	1.3920
Bonaparte's Gull	96	7	0.0275	83	55	0.0188	0.0132
Ring-billed Gull	3684	31	1.0538	3108	2747	1.0563	0.6878

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
Herring Gull	149	10	0.0426	572	608	0.2884	0.1776
Iceland Gull	1	1	0.0003	1	1	0.0001	0.0000
Lesser Black-backed Gull	15	2	0.0043	8	7	0.0015	0.0007
Great Black-backed Gull	28	5	0.0080	59	55	0.0271	0.0155
Caspian Tern	42	5	0.0120	28	30	0.0101	0.0057
Common Tern	10	3	0.0029	61	36	0.0149	0.0088
Forster's Tern	12	3	0.0034	59	41	0.0173	0.0113
Black Tern	10	3	0.0029	5	5	0.0012	0.0012
Rock Pigeon	2697	47	0.7715	3220	3257	0.9916	0.8679
Eurasian Collared-Dove*	3	1	0.0009	2	2	0.0006	0.0003
Mourning Dove	5127	55	1.4665	5169	4921	1.5777	1.3391
Black-billed Cuckoo	175	39	0.0501	143	106	0.0394	0.0275
Yellow-billed Cuckoo	535	43	0.1530	297	211	0.0705	0.0500
Barn Owl	16	4	0.0046	8	12	0.0024	0.0031
Eastern Screech-Owl	106	22	0.0303	87	80	0.0264	0.0211
Great Horned Owl	53	24	0.0152	68	62	0.0227	0.0170
Barred Owl	69	28	0.0197	74	58	0.0226	0.0152
Northern Saw-whet Owl	6	4	0.0017	8	5	0.0018	0.0012
Common Nighthawk	36	11	0.0103	52	51	0.0166	0.0153
Whip-poor-will	87	19	0.0249	87	90	0.0268	0.0260
Chimney Swift	2689	51	0.7692	3267	3199	1.0841	0.8579
Ruby-throated Hummingbird	818	52	0.2340	686	592	0.2002	0.1509
Belted Kingfisher	226	46	0.0646	251	243	0.0792	0.0674
Red-headed Woodpecker	63	13	0.0180	58	55	0.0186	0.0136
Red-bellied Woodpecker	1777	51	0.5083	1695	1454	0.5105	0.3861
Yellow-bellied Sapsucker	136	20	0.0389	126	101	0.0368	0.0251
Downy Woodpecker	1085	52	0.3104	1043	962	0.3145	0.2462
Hairy Woodpecker	342	47	0.0978	327	293	0.0962	0.0753
Northern Flicker	1105	53	0.3161	1238	1180	0.3872	0.3191
Pileated Woodpecker	397	47	0.1136	397	347	0.1218	0.0925
Olive-sided Flycatcher	12	3	0.0034	8	7	0.0019	0.0015
Eastern Wood-Pewee	528	42	0.1510	337	344	0.0970	0.0936
Yellow-bellied Flycatcher	5	3	0.0014	3	4	0.0010	0.0006
Acadian Flycatcher	306	31	0.0875	235	218	0.0727	0.0597
Alder Flycatcher	13	9	0.0037	15	13	0.0045	0.0036
Willow Flycatcher	149	32	0.0426	109	86	0.0295	0.0228
Least Flycatcher	187	34	0.0535	244	232	0.0759	0.0641
Empid sp.	12	10	0.0034	20	26	0.0075	0.0050
Eastern Phoebe	1115	52	0.3189	1124	1103	0.3642	0.3092
Great Crested Flycatcher	853	45	0.2440	782	704	0.2340	0.1929

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
Eastern Kingbird	758	50	0.2168	793	787	0.2484	0.2050
White-eyed Vireo	310	28	0.0887	296	261	0.0919	0.0684
Blue-headed Vireo	309	41	0.0884	323	293	0.1005	0.0760
Yellow-throated Vireo	222	36	0.0635	243	218	0.0788	0.0586
Warbling Vireo	694	42	0.1985	638	511	0.1849	0.1366
Philadelphia Vireo	17	10	0.0049	12	14	0.0053	0.0037
Red-eyed Vireo	4126	53	1.1802	3923	3361	1.1614	0.9353
Blue Jay	4675	55	1.3372	5534	4945	1.7545	1.3390
American Crow	5005	55	1.4316	5760	6243	1.8345	1.7164
Fish Crow	378	25	0.1081	401	356	0.1203	0.0971
crow sp.	93	7	0.0266	94	115	0.0338	0.0258
Common Raven	184	32	0.0526	180	133	0.0481	0.0337
Horned Lark	309	20	0.0884	169	147	0.0399	0.0371
Purple Martin	1378	25	0.3942	1295	1114	0.3893	0.2991
Tree Swallow	4812	54	1.3764	6237	7293	2.0897	1.7359
N Rough-winged Swallow	1120	48	0.3204	1281	1565	0.4004	0.3211
Bank Swallow	816	23	0.2334	1304	1309	0.3903	0.3374
Cliff Swallow	1187	29	0.3395	1112	1028	0.3291	0.2437
Barn Swallow	4845	54	1.3859	5675	6391	1.7879	1.5783
swallow sp	1	1	0.0003	562	719	0.1668	0.0849
Carolina Chickadee	747	19	0.2137	667	651	0.2126	0.1706
Black-capped Chickadee	1565	50	0.4477	1725	1728	0.5511	0.4471
chickadee sp.	188	9	0.0538	180	137	0.0542	0.0319
Tufted Titmouse	2523	54	0.7217	2518	2438	0.7899	0.6554
Red-breasted Nuthatch	31	13	0.0089	49	53	0.0192	0.0156
White-breasted Nuthatch	808	51	0.2311	811	753	0.2522	0.1978
Brown Creeper	67	20	0.0192	47	51	0.0134	0.0122
Carolina Wren	1271	46	0.3636	1086	905	0.3413	0.2412
House Wren	1813	53	0.5186	1603	1505	0.4781	0.4059
Winter Wren	65	16	0.0186	58	43	0.0156	0.0101
Marsh Wren	29	6	0.0083	18	17	0.0053	0.0045
Golden-crowned Kinglet	35	13	0.0100	39	39	0.0127	0.0108
Ruby-crowned Kinglet	91	27	0.0260	111	146	0.0464	0.0311
Blue-gray Gnatcatcher	1176	53	0.3364	1254	1098	0.3810	0.2893
Eastern Bluebird	1569	49	0.4488	1507	1569	0.5032	0.4348
Veery	548	39	0.1568	481	454	0.1475	0.1163
Gray-cheeked Thrush	15	9	0.0043	13	9	0.0032	0.0020
Swainson's Thrush	204	30	0.0584	158	116	0.0429	0.0277
Hermit Thrush	185	31	0.0529	187	180	0.0574	0.0485
Wood Thrush	3671	53	1.0501	3856	3425	1.1681	0.9426
American Robin	14692	55	4.2025	15433	15068	4.7947	4.0471

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
Gray Catbird	7601	55	2.1742	7257	6375	2.1876	1.6829
Northern Mockingbird	1036	37	0.2963	912	838	0.2880	0.2231
Brown Thrasher	581	49	0.1662	561	483	0.1681	0.1294
European Starling	10107	53	2.8910	11891	11808	3.7249	3.2230
American Pipit	244	12	0.0698	245	195	0.0677	0.0467
Cedar Waxwing	1070	40	0.3061	1072	1371	0.3489	0.4073
Blue-winged Warbler	547	41	0.1565	560	532	0.1653	0.1442
Golden-winged Warbler	57	17	0.0163	70	62	0.0213	0.0179
Brewster's Warbler	9	7	0.0026	8	7	0.0021	0.0015
Lawrence's Warbler	2	2	0.0006	3	2	0.0007	0.0004
Tennessee Warbler	237	28	0.0678	131	102	0.0314	0.0242
Orange-crowned Warbler	7	4	0.0020	5	3	0.0008	0.0005
Nashville Warbler	132	31	0.0378	198	156	0.0604	0.0405
Northern Parula	535	42	0.1530	469	392	0.1343	0.0967
Yellow Warbler	3421	54	0.9785	3721	3285	1.1361	0.8901
Chestnut-sided Warbler	851	48	0.2434	770	676	0.2287	0.1754
Magnolia Warbler	493	45	0.1410	479	438	0.1702	0.1110
Cape May Warbler	54	19	0.0154	24	23	0.0053	0.0049
Black-throated Blue Warbler	693	43	0.1982	601	531	0.1792	0.1257
Yellow-rumped Warbler	1407	51	0.4025	2154	2476	0.7147	0.5119
Black-throated Green Warbler	1256	49	0.3593	1457	1255	0.4483	0.3299
Blackburnian Warbler	353	42	0.1010	438	368	0.1328	0.0942
Yellow-throated Warbler	75	12	0.0215	57	52	0.0176	0.0131
Pine Warbler	45	18	0.0129	81	72	0.0270	0.0200
Prairie Warbler	412	39	0.1178	358	316	0.1007	0.0850
Palm Warbler	65	16	0.0186	73	64	0.0235	0.0139
Bay-breasted Warbler	79	22	0.0226	77	66	0.0254	0.0175
Blackpoll Warbler	278	29	0.0795	188	150	0.0452	0.0387
Cerulean Warbler	224	25	0.0641	197	182	0.0587	0.0482
Black-and-white Warbler	804	51	0.2300	852	777	0.2511	0.1987
American Redstart	1871	52	0.5352	1650	1504	0.4832	0.3917
Prothonotary Warbler	13	7	0.0037	12	10	0.0035	0.0027
Worm-eating Warbler	213	29	0.0609	228	217	0.0695	0.0610
Swainson's Warbler*	1	1	0.0003	1	1	0.0002	0.0002
Ovenbird	4000	53	1.1442	3910	3587	1.1420	0.9716
Northern Waterthrush	106	32	0.0303	114	110	0.0373	0.0288
Louisiana Waterthrush	272	39	0.0778	286	256	0.0860	0.0685
Kentucky Warbler	98	18	0.0280	106	107	0.0356	0.0294
Connecticut Warbler	1	1	0.0003	1	1	0.0002	0.0002
Mourning Warbler	19	13	0.0054	16	11	0.0040	0.0029

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
Common Yellowthroat	3975	53	1.1370	4158	3817	1.2382	1.0588
Hooded Warbler	726	45	0.2077	648	495	0.1829	0.1301
Wilson's Warbler	47	23	0.0134	51	42	0.0176	0.0107
Canada Warbler	132	33	0.0378	99	99	0.0298	0.0263
Yellow-breasted Chat	133	24	0.0380	145	132	0.0451	0.0367
Summer Tanager*	1	1	0.0003	1	1	0.0002	0.0004
Scarlet Tanager	2105	52	0.6021	1965	1701	0.5964	0.4623
Eastern Towhee	3530	55	1.0097	3513	3176	1.0402	0.8481
American Tree Sparrow	38	6	0.0109	40	29	0.0110	0.0056
Chipping Sparrow	4041	54	1.1559	4066	3850	1.2491	1.0195
Clay-colored Sparrow	2	1	0.0006	2	2	0.0006	0.0005
Field Sparrow	1386	52	0.3965	1365	1310	0.4164	0.3583
Vesper Sparrow	49	12	0.0140	72	66	0.0235	0.0178
Savannah Sparrow	169	37	0.0483	206	230	0.0674	0.0671
Grasshopper Sparrow	221	31	0.0632	189	192	0.0527	0.0543
Henslow's Sparrow	54	8	0.0154	56	62	0.0145	0.0188
Fox Sparrow	2	2	0.0006	4	4	0.0017	0.0012
Song Sparrow	4176	54	1.1945	4461	4192	1.3976	1.1370
Lincoln's Sparrow	20	11	0.0057	17	15	0.0062	0.0039
Swamp Sparrow	249	37	0.0712	312	290	0.0995	0.0791
White-throated Sparrow	743	43	0.2125	900	825	0.3047	0.1986
White-crowned Sparrow	212	37	0.0606	501	386	0.1591	0.0979
Dark-eyed Junco	200	28	0.0572	261	289	0.0845	0.0741
Lapland Longspur	4	1	0.0011	1	2	0.0000	0.0003
Northern Cardinal	5449	55	1.5586	5197	4662	1.5808	1.2377
Rose-breasted Grosbeak	1458	53	0.4170	1417	1266	0.4135	0.3109
Blue Grosbeak*	6	4	0.0017	6	7	0.0021	0.0017
Indigo Bunting	2472	52	0.7071	2235	1972	0.6612	0.5398
Dickcissel	2	2	0.0006	1	1	0.0001	0.0001
Bobolink	783	39	0.2240	1189	1273	0.4039	0.3532
Red-winged Blackbird	11217	54	3.2085	11791	11467	3.5806	3.0671
Eastern Meadowlark	572	43	0.1636	741	741	0.2304	0.2137
Rusty Blackbird	5	2	0.0014	27	25	0.0092	0.0064
Common Grackle	10746	54	3.0738	11065	11163	3.4125	2.9767
Brown-headed Cowbird	3862	54	1.1047	3052	2834	0.8740	0.7095
blackbird sp.	5	2	0.0014	13	20	0.0027	0.0014
Orchard Oriole	516	35	0.1476	429	337	0.1210	0.0881
Baltimore Oriole	3878	53	1.1093	3907	3353	1.1818	0.9163
Purple Finch	169	28	0.0483	248	280	0.0838	0.0757
House Finch	1728	50	0.4943	1880	2087	0.6284	0.5627
Pine Siskin	18	3	0.0051	52	54	0.0168	0.0165

2007 PAMC TOTALS							
	2007	2007	2007	5yr avg	10yr avg	5yr avg	10yr avg
Species	Total	#Counts	Bird/hr	Total	Total	Bird/hr	Bird/hr
American Goldfinch	4728	53	1.3524	5452	5422	1.7857	1.4425
Evening Grosbeak	1	1	0.0003	2	22	0.0033	0.0082
House Sparrow	4096	52	1.1716	4936	4670	1.5774	1.2981
Ringed Turtle-Dove	1	1	0.0003	0	0	0	0
Great Egret x Great Blue	1	1	0.0003	0	0	0	0
Chukar	1	1	0.0003	0	0	0	0
Total participants	924						
feeder	96						
nocturnal	93						
Total party hours	3496.0						
Nocturnal hours	99.25						
Feeder hours	432						
Tot miles	10008.90						
Miles on foot	1089.8						
Miles traveled	8509.8						
Hrs / Obs	3.78						
Birds / Hr	66.36						
Total birds	231975						
Total species	237						
total "sp"	9						