

# Report of the Sixth Pennsylvania May Count

## May 10, 1997

by Alan C. Gregory

The sixth annual North American Migration Count was conducted on May 10, 1997, in conjunction with the annual observance of International Migratory Bird Day. Birders in 36 Pennsylvania counties participated this year, down three counties from the 1996 count. The number of participating observers (including stationary observers and feeder watchers) rose slightly to 730, an increase of 13 from the 1996 count. With increased publicity and participation from the many bird clubs and National Audubon Society chapters across the state, perhaps the total number of observers will hit 1,000 in 1998. The total number of species, however, hit a new high for the count: 234, eight more than the previous high of 226 species in 1994 and 15 more than the 1996 total. Many participants commented later on how late the migration seemed, noting the absence, especially, of *Empidonax* flycatchers and cuckoos.

The total cumulative number of individual birds counted this year again exceeded 200,000, with 218,607 recorded, a considerable leap from the 208,453 recorded in the 1996 count. Again, the trend in this category is showing an upward curve. In the second year of the count in Pennsylvania, only 107,193 individual birds were tallied. The increase can be attributed to two factors: More intensive coverage, and a greater number of observers.

Twenty-nine of the participating counties reported species totals of 100 or higher this year. Those counties that fielded a larger corps of observers predictably tallied more species. Those 29 counties in alphabetical order are: Adams, 125; Allegheny, 136; Bedford, 102; Berks, 150; Blair, 100; Bucks, 141; Butler, 126; Chester, 149; Clarion, 118; Cumberland, 155; Dauphin, 165; Franklin, 152; Greene, 116; Huntingdon, 136; Indiana, 152; Juniata, 124; Lackawanna, 119; Lancaster, 161; Luzerne, 143; Lycoming, 110; Philadelphia, 137; Potter, 103; Schuylkill, 145; Sullivan, 102; Venango, 104; Wayne, 144; Westmoreland, 153; Wyoming, 113; and York, 107.

### WEATHER

The field conditions in many areas were reminiscent of the warmer days of the 1996-97 Christmas Bird Count season, with many county compilers reporting rain and blustery conditions, with others noting clearing skies and northwest winds -- all indicative of the passage of a cold front. Across the region, drought conditions were

already evident by early April, and by August much of the state had a rainfall deficit of 2 to 5 inches below the average. Most compilers from the eastern half of the state reported warmer temperatures and overall better field conditions than compilers in the western half.

In Berks County, compiler Matt Wlasniewski reported temperatures ranging from 48 to 54 degrees, with a Northwest wind gusting to 20 mph. "Skies were cloudy with 50 percent to 80 percent (cloud) coverage reported. Many birders reported that weather was a factor in their results."

Reporting from Cumberland County in the state's mid-section, Ramsay Koury wrote: "The count day was certainly an unusual one for May. It was colder than normal -- I used gloves for some of the morning! I think I was actually warmer doing owling on the Christmas counts than I was for the migration count. It was a lousy night for owling -- too much wind."

In one of the state's more mountainous (and colder) areas, Sullivan County compiler Nick Kerlin logged temperatures ranging from 46 in the pre-dawn hours to 44 after sundown. The temperature never rose above 50 in Sullivan, and a light drizzle fell on/off throughout the day. "While all observers complained about the lousy weather and lack of species and individual numbers seen, the combined effort yielded the second best count in four years as to species and numbers," Kerlin wrote. "Many observers related their discouragement and quit birding in the field early, spending more time watching feeders in late afternoon."

In Western Pennsylvania, Venango compiler Russ States listed a dawn temperature of 45 with a west wind of 5 mph. The temperature in Venango fell to 35 at dusk. Nearby, in Butler County, Gene Wilhelm's crew worked in rain much of the day. "May 10, 1997 was, without a doubt, the worst spring count day in my memory for weather. It rained all day (fourth recorded) with a cold west-northwest wind blowing almost constantly between 15-25 mph. Wind chill was between 15-25 degrees. Air temperature was 42 at 7 a.m. and 40 at 5 p.m. Birds were scarce overall and once located, bunched into mixed flocks. Although nothing like the *bird depression* of 1996, most terrestrial species were feeding at or near ground/water level . . . In summary, many species, genera, families were late this year and thus scarce."

Reporting from Lackawanna County in Northeastern Pennsylvania, Rosann

Bongey noted temperatures ranging from 40 (dawn) to 45 (dusk), 100 percent cloud cover and intermittent drizzle. In Lycoming County in the state's mid-section, Wes Egli recorded a temperature range of 40 (dawn) to 50 (dusk).

### THE TOP 20

The following 20 species were the most abundant on this year's count. Compare this list with the top 20 from 1996. Readers are cautioned, however, against reading too much into these numbers. They certainly cannot, for example, be considered as illustrative of any declines or increases in the population of any species. It is fun, nonetheless, to look over the top 20 roster.

1. Swallow, Tree	15595
2. Robin, American	13460
3. Goose, Canada	12045
4. Swallow, Barn	11798
5. Grackle, Common	11300
6. Starling, European	11040
7. Blackbird, Red-winged	10988
8. Warbler, Yellow-rumped	7765
9. Crow, American	6079
10. Goldfinch, American	5581
11. Swallow, N. Rough-winged.	4878
12. Catbird, Gray	4194
13. Dove, Rock	3876
14. Jay, Blue	3773
15. Dove, Mourning	3671
16. Sparrow, Chipping	3655
17. Cardinal, Northern	3357
18. Sparrow, Song	3313
19. Sparrow, House	3221
20. Swift, Chimney	3218

## NOTES ON SELECTED SPECIES

The lone **Red-throated Loon** was reported from Chester, while 82 **Common Loons** were tallied from 19 counties. There were 82 **Pied-billed Grebes** tallied across 19 counties, and 4 **Great Cormorants** were reported -- predictably -- from Philadelphia. A total of 7 **American Bitterns** were reported across 6 counties, with the high of 2 found in Luzerne. A **Least Bittern** was a great find in Indiana, and the lone **Snowy Egret** was reported from Lancaster. A **Little Blue Heron** was nearby in Dauphin County, and Lancaster birders also found a **Yellow-crowned Night Heron**. There were 16 **Mute Swans** reported, including a nesting pair (an omen of things to come) on a privately-owned lake in Luzerne.

A few **Snow Geese** lingered, including one at Chester and 13 in Berks. A lone **Canvasback** was found in Berks, and two counties reported **Surf Scoters** (5 in Lehigh and 2 in Clarion). **Bald Eagles** were widespread across the state. Here are the totals: Wayne, 6; Lancaster, 5; Butler and Dauphin, 4 each; Forest, 2; and single birds in Berks, Blair, Bucks, Clarion, Indiana, Lycoming, and Sullivan.

Luzerne reported the only two **N. Goshawks** from a nest site in that county. Seven **Common Moorhens** were found (2 in Wayne, 4 in Philadelphia and one in Lancaster). Four highlights among shorebirds species were the 3 **Lesser Golden-Plovers** in Lawrence, a **Willet** in Clarion, 10 **White-rumped Sandpipers** in Allegheny, and a lone **Short-billed Dowitcher** in Berks.

Five **Caspian Terns** were tallied, one in Westmoreland and 4 in Lancaster. A total of 4 **Barn Owls** were found in 4 counties, and the 4 **Short-eared Owls** from Allegheny was encouraging. Reports of **Olive-sided Flycatchers** came from Wayne (1), Lycoming (2) and Huntingdon (1). Birders who spend field time in northern tier counties like Wayne, Sullivan, Tioga and Potter are urged to be on the lookout for this elusive species during the breeding season.

Among the "empids," the **Least Flycatcher** was again the most frequently encountered. Birders could find only two **Alders** (one in Wayne and another in Lancaster), however, and the **Willow** was equally elusive, with only 3 found in Lancaster and individual birds in Philadelphia and Wayne. Twenty-eight counties tallied **Least Flycatchers** and 12 tallied **Acadian Flycatchers**.

A **Violet-green Swallow** was a great find in Dauphin (*this species is not included in the charts, as the documentation was insufficient to rule out Tree Swallow—eds.*), and **Common Ravens** were reported from 22 counties. The highs were 20 in Potter and 10 each in Elk and Huntingdon. Seventeen compilers reported **Red-breasted Nuthatches**. Among the wrens,

single **Sedge Wrens** in Lancaster and Allegheny were outstanding finds, as were the single **Marsh Wrens** noted in Berks, Philadelphia, and Wayne.

Turning to the thrushes, the **Gray-cheeked** remained elusive, with Sullivan's 2 and a loner in Cumberland the only finds. Fourteen counties tallied the **Swainson's Thrush**. The 2 **Loggerhead Shrikes** came from the usual site in Adams.

Four counties, meanwhile, tallied the **Philadelphia Vireo**. The **Brewster's** hybrid warbler was found in 4 counties, and Franklin reported the only **Lawrence's** hybrid. Four **Prothonotary Warblers** in Butler was an excellent tally, and single "Swamp" warblers were found in Philadelphia and Wayne. The lone **Connecticut Warbler** also was found in Wayne. Greene, meanwhile, noted the only **Summer Tanager** (they nest there), and a **Western Tanager** (no details) was a great find for Margaret Higbee's corps in Indiana.

Four counties reported **Blue Grosbeaks**, with the 7 in Bedford an outstanding total. Philadelphia came in with 4 **Blues**, Lancaster had 2, and Schuylkill one. Five counties tallied **Henslow's Sparrows**, and **Fox Sparrows** lingered in Franklin (3) and Blair (1). The **Lincoln's Sparrow** was found in 6 counties, and lingering **Common Redpolls** were outstanding finds for Gene Wilhelm's crew in Butler (3 birds) and Indiana (one).

**Pine Siskins** lingered in 3 counties, and a lone **Evening Grosbeak** was a superb find in Elk.

## ACKNOWLEDGMENTS

My thanks to all the compilers and observers for another successful effort. A special thanks to my wife, Monica, for her technical assistance.

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The compilers' names are noted in italics below, with each county's field observers and feeder watchers listed after each compiler's mail address.

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NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
Coot, American	-	2	7	11	-	7	17	3	4	-	11	4
Plover, Black-bellied	-	-	-	-	-	-	-	10	-	-	-	-
Lesser Golden	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated	-	1	-	2	-	-	-	25	-	-	12	2
Killdeer	23	35	23	16	4	23	17	14	23	8	12	28
Yellowlegs, Greater	3	6	-	12	-	21	1	8	-	-	-	3
Lesser	1	6	-	5	-	11	-	16	3	-	11	7
Sandpiper, Solitary	10	7	2	19	7	16	15	14	9	-	20	19
Willet	-	-	-	-	-	-	-	-	1	-	-	-
Sandpiper, Spotted	3	24	-	19	7	14	3	24	2	-	16	25
Upland	2	-	-	-	-	-	-	-	-	-	1	-
Sandpiper, Semipalmated	-	6	-	-	-	-	-	26	-	-	5	-
Least	-	41	-	14	-	9	-	57	2	-	23	23
White-rumped	-	10	-	-	-	-	-	-	-	-	-	-
Pectoral	-	3	-	-	-	-	-	4	-	-	7	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-
Dowitcher, Short-billed	-	-	-	1	-	-	-	-	-	-	-	-
Shiie, Common	1	3	-	-	-	-	2	1	-	-	1	2
Woodcock, American	2	-	-	-	1	-	1	-	-	-	1	3
Phalarope, Wilson's	-	1	-	-	-	-	-	1	-	-	-	-
Gull, Laughing	-	-	1	-	-	195	-	-	-	-	-	-
Bonaparte's	-	-	-	7	-	-	-	-	-	-	6	27
Ring-billed	-	21	50	120	-	211	2	-	187	-	75	379
Herring	3	8	49	-	-	91	-	-	-	-	-	1
Great Black-backed	-	-	-	-	-	5	-	-	-	-	3	4
Tern, Caspian	-	-	-	-	-	-	-	-	-	-	-	-
Common	-	-	-	-	-	-	2	-	6	-	11	8
Forster's	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	2	-	-	24
Dove, Rock	77	61	2	171	72	172	109	113	2	2	275	71
Mourning	91	78	70	166	34	374	19	124	63	20	74	187
Cuckoo, Black-billed	-	-	-	-	-	5	-	4	-	-	-	-
Yellow-billed	-	-	-	1	-	2	-	-	-	-	-	3
Owl, Barn	-	-	-	-	-	-	-	-	-	-	-	1
Eastern Screech	5	3	-	3	1	1	1	9	-	-	2	5
Great Horned	2	1	4	4	-	2	-	3	-	-	-	-
Barred	1	-	1	-	-	-	1	1	2	-	-	2
Short-eared	-	4	-	-	-	-	-	-	-	-	-	-
Nighthawk, Common	-	-	-	-	-	1	-	3	-	-	-	1
Whip-poor-will	-	-	3	-	-	-	-	-	-	-	5	-
Swift, Chimney	26	12	30	108	6	272	30	149	12	-	406	191
Hummingbird, Ruby-throated	11	5	18	13	10	14	11	6	2	2	6	9
Kingfisher, Belted	2	2	5	3	2	16	2	9	3	-	6	4
Woodpecker, Red-headed	31	-	1	3	-	-	2	-	-	1	2	-
Red-bellied	27	53	21	64	13	108	11	71	4	-	23	38
Sapsucker, Yellow-bellied	7	1	-	-	-	2	-	-	-	-	-	-
Woodpecker, Downy	39	44	20	49	10	69	17	33	7	11	18	55
Hairy	11	7	3	10	7	10	8	7	3	-	3	10
Flicker, Northern	17	40	22	38	17	68	15	57	10	7	14	56
Woodpecker, Pileated	7	4	10	6	12	5	2	1	3	-	2	17
Flycatcher, Olive-sided	-	-	-	-	-	-	-	-	-	-	-	-
Wood-pewee, Eastern	3	-	1	1	-	-	1	3	2	1	-	3
Flycatcher, Yellow-bellied	1	-	-	-	-	-	-	-	-	-	-	-
Acadian	3	2	-	-	-	-	-	6	4	-	1	1
Alder	-	-	-	-	-	-	-	-	-	-	-	-
Willow	-	-	-	-	-	-	-	-	-	-	-	-
Least	-	14	2	-	2	2	2	2	1	-	2	5

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	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
Phoebe, Eastern	4	12	15	25	6	20	6	19	6	1	17	33
Flycatcher, Great Crested	9	2	4	18	2	34	1	13	-	-	11	11
Kingbird, Eastern	19	-	4	44	-	112	3	89	6	1	35	96
Lark, Horned	-	11	-	-	-	-	2	3	-	-	6	-
Martin, Purple	10	-	-	23	-	6	100	29	1	-	180	6
Swallow, Tree	17	25	31	2794	23	994	1000	797	125	26	159	685
Northern Rough-winged.	5	44	1	270	4	2543	500	65	4	2	79	91
Bank Swallow	22	21	50	165	1	211	500	53	9	-	52	190
Cliff Swallow	-	-	-	304	31	174	250	24	4	-	40	138
Barn Swallow	57	307	57	456	95	2310	1000	175	62	2	509	364
Jay, Blue	49	104	44	238	20	375	21	183	46	41	106	144
Crow, American	61	112	86	179	71	603	19	194	77	47	131	307
Fish Crow	2	-	3	20	-	18	-	14	-	-	9	6
Raven, Common	1	-	2	1	1	-	-	-	1	1	2	-
Chickadee, Black-capped	8	63	30	62	20	72	30	-	55	28	19	47
Carolina Chickadee	29	43	-	4	-	135	-	87	-	-	19	12
Titmouse, Tufted	27	76	47	75	23	225	21	90	13	6	32	109
Nuthatch, Red-breasted	1	-	-	1	-	-	-	-	2	-	-	-
White-breasted Nuthatch	21	26	17	37	11	29	11	21	10	7	18	20
Creepers, Brown	-	1	-	1	-	-	-	-	12	-	-	3
Wren, Carolina	7	24	-	3	1	27	-	23	-	-	-	16
House Wren	19	25	11	36	5	97	3	81	3	2	33	33
Winter Wren	-	-	-	2	-	-	-	1	1	-	3	1
Sedge Wren	-	1	-	-	-	-	-	-	-	-	-	-
Marsh Wren	-	-	-	1	-	-	-	-	-	-	-	-
Kinglet, Golden-crowned	-	-	-	5	-	-	-	-	2	-	-	-
Ruby-crowned Kinglet	4	22	-	16	10	4	6	4	12	1	21	1
Gnatcatcher, Blue-Gray	17	13	15	27	17	62	5	100	-	-	38	38
Bluebird, Eastern	19	11	48	39	9	49	1	43	18	1	12	72
Veery	12	7	-	26	1	26	5	48	2	1	10	23
Thrush, Gray-cheeked	-	-	-	-	-	-	-	-	-	-	1	-
Swainson's Thrush	1	5	-	1	-	2	-	-	-	-	4	3
Hermit Thrush	-	1	-	6	-	1	-	1	11	-	2	2
Wood Thrush	23	31	2	110	28	210	19	127	3	3	69	70
Robin, American	174	401	210	471	115	1247	140	398	150	144	329	583
Catbird, Gray	47	41	16	243	31	526	17	406	14	5	158	204
Mockingbird, Northern	17	6	6	21	-	60	1	54	-	-	19	20
Thrasher, Brown	11	3	7	7	3	26	2	18	4	1	11	12
Pipit, American	12	43	-	-	-	4	-	4	4	-	6	30
Waxwing, Cedar	5	-	-	20	-	43	-	1	-	-	39	31
Shrike, Loggerhead	2	-	-	-	-	-	-	-	-	-	-	-
Starling, European	306	174	115	398	68	933	137	306	101	46	382	663
Vireo, White-eyed	6	9	-	5	-	20	1	40	-	-	11	13
Solitary Vireo	2	11	-	4	13	1	5	9	4	-	11	11
Yellow-throated Vireo	5	2	1	7	1	5	2	18	-	-	2	6
Warbling Vireo	1	-	-	7	-	36	-	10	-	-	5	8
Philadelphia Vireo	-	1	-	-	-	1	-	-	-	-	-	-
Red-eyed Vireo	19	2	4	23	2	48	1	55	3	1	15	22
Warbler, Blue-winged	9	15	-	27	1	49	3	34	1	-	14	25
Golden-winged Warbler	-	-	-	1	-	-	-	-	-	-	3	1
Tennessee Warbler	-	2	-	1	-	-	-	1	-	-	-	3
Orange-crowned Warbler	-	-	-	-	-	-	2	-	-	-	-	-
Nashville Warbler	3	6	2	1	3	2	2	1	21	-	5	4
Parula, Northern	3	1	-	14	-	44	-	44	2	2	8	30
Warbler, Yellow	9	43	11	59	10	207	120	136	8	3	64	94
Chestnut-sided Warbler	17	19	1	13	7	8	11	24	3	2	30	27
Magnolia Warbler	8	17	-	7	4	24	15	37	5	1	6	9

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
Cape May	1	-	-	-	-	-	2	1	-	-	2	5
Black-throated Blue	53	9	-	36	9	38	3	64	-	-	46	41
Yellow-rumped	62	101	22	806	26	597	283	282	24	11	411	313
Black-throated Green	17	34	1	58	16	28	10	46	25	8	65	58
Blackburnian	3	20	4	5	10	7	3	15	2	1	9	18
Yellow-throated	-	-	-	-	1	1	4	-	1	-	3	-
Pine	5	1	2	-	-	2	-	-	2	-	-	3
Prairie	7	1	2	3	-	25	2	8	-	-	16	15
Palm	-	3	-	2	2	6	10	2	-	-	3	-
Bay-breasted	1	-	-	-	-	-	-	4	2	-	-	4
Blackpoll	-	-	-	1	1	3	-	1	-	-	-	1
Cerulean	2	-	2	4	3	3	-	3	1	-	10	8
Black-and-white	19	20	2	65	8	50	13	28	7	4	35	56
Redstart, American	63	5	16	36	24	63	9	51	-	3	81	40
Warbler, Prothonotary	-	-	-	-	-	-	4	-	-	-	-	-
Worm-eating	4	-	8	10	4	10	1	-	-	-	5	16
Ovenbird	29	19	20	251	25	69	6	111	6	11	78	160
Waterthrush, Northern	-	-	3	3	-	11	-	10	-	-	10	9
Louisiana	5	1	-	22	1	3	12	7	-	-	2	13
Warbler, Kentucky	3	7	-	1	-	3	1	11	-	-	3	4
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-
Mourning	-	-	-	-	-	-	-	-	-	-	-	-
Yellowthroat, Common	33	13	14	145	18	191	13	206	4	10	67	87
Warbler, Hooded	3	10	-	13	4	1	3	1	2	2	16	35
Wilson's	-	1	-	-	-	2	1	-	-	-	-	-
Canada	3	-	-	5	2	-	-	3	1	-	1	1
Chat, Yellow-breasted	-	1	-	1	-	-	-	4	-	-	6	5
Tanager, Summer	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet	21	20	24	45	8	55	2	33	-	-	20	29
Cardinal, Northern	69	142	51	167	25	310	36	381	14	15	69	145
Grosbeak, Rose-breasted	27	19	15	48	24	66	30	46	11	51	78	83
Blue	-	-	7	-	-	-	-	-	-	-	-	-
Bunting, Indigo	32	4	12	15	8	-	2	22	5	4	27	79
Towhee, Eastern	27	67	66	167	51	122	15	109	22	26	86	100
Sparrow, American Tree	-	-	-	-	1	-	-	1	-	-	-	-
Chipping	53	56	81	91	54	52	43	106	54	40	67	90
Field	17	26	19	50	11	69	-	28	6	2	26	71
Vesper	-	16	-	-	-	-	-	1	-	-	7	3
Savannah	-	35	-	-	-	6	4	6	-	-	1	9
Grasshopper	5	36	1	2	-	-	-	2	-	-	4	2
Henslow's	-	21	-	-	-	-	-	-	-	-	-	-
Fox	-	-	-	-	-	-	-	-	-	-	-	-
Song	21	114	32	83	19	231	33	177	21	14	68	122
Lincoln's	-	-	-	2	-	-	-	-	-	-	-	1
Swamp	1	1	4	1	-	30	10	9	3	-	1	4
White-throated	17	126	12	35	39	67	26	48	-	5	57	26
White-crowned	11	17	21	3	-	-	23	-	6	9	11	9
Junco, Dark-eyed	-	1	9	2	-	1	-	-	36	-	3	2
Bobolink	23	21	4	37	-	43	20	82	19	-	9	85
Blackbird, Red-winged	63	290	70	155	98	547	191	275	75	76	183	456
Meadowlark, Eastern	11	20	9	6	1	11	15	16	6	4	17	13
Blackbird, Rusty	2	-	-	2	-	-	-	-	-	-	2	-
Grackle, Common	91	132	135	487	117	844	170	262	49	60	463	1007
Cowbird, Brown-headed	22	40	51	114	35	252	42	104	-	17	62	171
Oriole, Orchard	-	5	14	2	-	10	-	23	-	-	4	1
Baltimore	16	31	30	56	16	198	13	98	6	5	40	84
Purple Finch	-	1	27	5	9	-	17	1	13	22	3	-



NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
House Finch	39	45	41	131	12	164	29	61	2	6	91	184
Redpoll, Common	-	-	-	-	-	-	3	-	-	-	-	-
Siskin, Pine	-	-	-	-	-	-	-	-	-	-	-	-
Goldfinch, American	31	99	115	242	51	259	56	206	59	34	99	148
Grosbeak, Evening	-	-	-	-	-	-	-	-	-	-	-	-
Sparrow, House	21	113	58	144	42	113	51	56	8	11	86	154
Buteo sp.	-	-	-	-	-	-	-	-	-	-	-	-
Eagle sp.	-	-	-	-	-	-	-	-	-	-	-	-
Peep sp.	-	1	-	1	-	-	-	-	-	-	-	-
Gull sp.	-	2	-	2	-	-	-	-	-	-	-	-
Sterna sp.	-	-	-	-	-	-	-	-	-	-	-	-
Empidonax sp.	1	5	3	2	-	-	-	-	2	2	-	2
Swallow sp.	-	-	-	-	-	-	-	-	-	-	-	1000
Crow sp.	-	8	-	-	-	-	-	6	-	-	-	9
Chickadee sp.	-	-	-	-	-	-	-	-	-	-	-	-
Vireo sp.	-	1	-	-	-	-	-	-	-	-	-	-
Warbler, Brewster's	-	-	-	-	-	-	-	-	-	-	-	1
Warbler, Lawrence's	-	-	-	-	-	-	-	-	-	-	-	-
Blackbird sp.	-	-	-	-	-	-	-	-	-	37	-	-
Total Individuals	2824	4440	2363	11713	1785	19746	5817	8543	2038	947	6764	11512
Total Species	125	136	102	150	100	141	126	149	118	71	155	165

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Loon, Red-Throated	-	-	-	-	-	-	-	-	-	-	-	-
Common Grebe, Pied-billed	3	3	-	-	-	1	7	-	10	-	-	2
Horned	3	-	-	1	-	1	3	-	1	1	-	-
Cormorant, Great Double-crested	-	-	-	1	-	-	-	-	-	-	-	-
Bittern, American	41	-	-	-	-	8	6	1	2	89	-	-
Least Heron, Great Blue	2	10	1	14	39	-	12	2	24	8	4	-
Egret, Great Snowy	71	-	-	-	-	-	-	1	-	1	-	-
Heron, Little Blue	1	-	-	-	-	-	-	-	-	1	-	-
Heron, Green	10	-	1	9	-	3	5	5	3	6	-	2
Night Heron, Black-crowned Yellow-crowned	7	-	-	-	-	-	-	-	-	124	-	-
Swan, Tundra	-	-	-	-	-	-	-	-	-	2	-	-
Mute Goose, Snow	-	-	-	-	-	-	1	2	1	3	1	-
Canada Duck, Wood Teal, Green-winged	421	77	27	382	67	54	242	82	312	5374	51	50
Duck, American Black Mallard	41	8	15	35	10	11	38	32	43	62	8	2
Teal, Blue-winged	2	-	-	-	-	-	-	-	-	1	-	-
Shoveler, Northern Gadwall	182	13	14	257	28	48	209	89	57	7	15	20
Wigeon, American	6	2	-	-	-	3	9	-	-	196	-	-
Canvasback	3	-	-	-	-	-	-	-	-	1	-	-
Duck, Ringed-neck Scaup, Lesser	1	-	-	-	2	-	-	-	-	-	-	-
Canvasback	2	-	-	-	-	-	-	-	-	-	-	-
Duck, Ringed-neck Scaup, Lesser	-	-	-	-	-	-	6	-	-	-	-	-

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Scoter, Surf	-	-	-	-	-	-	-	-	-	-	-	5
Bufflehead	3	-	-	1	-	-	-	-	-	-	-	-
Merganser, Hooded	-	2	-	2	-	-	-	-	-	-	-	-
Common	7	26	13	-	-	-	5	1	5	1	-	-
Red-breasted	8	-	-	-	-	1	13	-	-	-	-	-
Duck, Ruddy	-	-	-	1	-	-	-	-	-	-	-	-
Vulture, Black	4	-	-	22	-	4	-	1	-	49	-	-
Turkey	93	22	5	140	100	99	17	71	26	320	2	6
Osprey	3	1	-	4	2	3	1	1	9	19	1	-
Eagle, Bald	4	-	2	-	-	-	1	-	-	5	-	-
Harrier, Northern	-	-	-	2	-	1	1	-	-	1	-	-
Hawk, Sharp-shinned	4	3	-	4	2	1	2	-	1	4	-	1
Cooper's	3	3	-	7	-	1	5	2	1	1	1	-
Goshawk, Northern	-	-	-	-	-	-	-	-	-	-	-	-
Hawk Red-shouldered	1	-	-	-	-	1	1	-	-	-	-	-
Broad-winged	4	-	-	7	1	1	5	4	4	6	-	1
Red-tailed	24	-	-	24	25	10	33	18	18	40	1	3
Kestrel, American	9	1	-	7	3	3	15	9	8	17	-	2
Merlin	1	-	-	-	-	-	-	1	-	1	-	-
Falcon, Peregrine	2	-	-	-	-	-	-	-	-	1	-	-
Pheasant, Ring-necked	11	-	-	5	4	2	21	1	-	5	-	-
Grouse, Ruffed	1	19	-	-	3	4	16	4	3	-	-	-
Turkey, Wild	9	5	2	6	47	2	23	3	7	2	-	-
Bobwhite, Northern	-	3	-	2	-	-	-	1	-	-	-	-
Rail, Virginia	-	-	-	-	-	-	-	-	-	-	-	-
Sora	-	-	-	-	-	-	1	-	-	-	-	-
Moorhen, Common	-	-	-	-	-	-	-	-	-	1	-	-
Coot, American	4	-	-	-	-	2	33	-	4	3	-	1
Plover, Black-bellied	-	-	-	-	-	-	-	-	-	-	-	-
Plover, Black-bellied	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Golden	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated	2	-	-	1	-	-	4	-	-	-	-	-
Killdeer	28	22	8	72	20	16	77	22	17	32	7	1
Yellowlegs, Greater	3	-	-	5	-	-	-	-	12	-	-	1
Lesser	7	-	-	16	-	-	8	4	1	13	-	23
Sandpiper, Solitary	19	7	1	24	4	11	7	31	17	18	2	-
Willet	-	-	-	-	-	-	-	-	-	-	-	-
Sandpiper, Spotted	25	22	3	38	1	23	52	20	5	37	2	4
Upland	-	-	-	-	-	-	-	-	-	-	-	-
Sandpiper, Semipalmated	-	-	-	-	-	-	-	-	-	14	-	-
Least	23	-	-	27	-	-	3	3	2	2	-	12
White-rumped	-	-	-	-	-	-	-	-	-	-	-	-
Pectoral	-	-	-	-	-	-	-	-	-	-	-	-
Dunlin	-	-	-	1	-	-	1	-	-	-	-	-
Dowitcher, Short-billed	-	-	-	-	-	-	-	-	-	-	-	-
Snipe, Common	2	-	-	1	3	2	1	-	-	-	3	-
Woodcock, American	3	4	-	-	4	8	13	2	4	-	-	-
Phalarope, Wilson's	-	-	-	1	-	-	-	-	-	-	-	-
Gull, Laughing	-	-	-	-	-	-	-	-	-	-	-	-
Bonaparte's	27	-	-	-	-	1	5	-	-	-	-	-
Ring-billed	379	-	-	20	-	261	88	5	-	201	-	-
Herring	1	-	-	-	-	-	-	-	-	-	-	-
Great Black-backed	4	-	-	-	-	-	-	-	-	-	-	-
Tern, Caspian	-	-	-	-	-	-	-	-	-	4	-	-
Common	8	-	-	-	-	-	-	-	-	-	-	-
Forster's	24	-	-	-	-	1	2	-	-	-	-	-
Black	1	-	-	-	-	-	1	-	-	-	-	-
Dove, Rock	71	23	4	595	42	51	45	186	57	215	12	50

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Mourning	187	106	28	230	109	58	354	80	147	159	7	20
Cuckoo, Black-billed	-	-	-	3	2	-	-	-	-	1	-	1
Yellow-billed	3	-	-	1	4	2	-	-	1	2	-	-
Owl, Barn	1	-	-	-	-	-	-	1	-	-	-	-
Eastern Screech	5	-	-	1	1	2	-	-	-	2	-	-
Great Horned	-	3	-	3	3	3	4	1	1	1	-	-
Barred	2	2	-	4	1	3	3	2	1	-	-	-
Short-eared	-	-	-	-	-	-	-	-	-	-	-	-
Nighthawk, Common	1	-	-	-	-	-	-	-	-	-	-	-
Whip-poor-will	-	-	-	2	1	2	3	1	-	-	-	-
Swift, Chimney	191	-	300	171	47	24	43	40	7	271	200	15
Hummingbird, Ruby-throated	9	4	5	37	54	8	54	16	2	20	2	2
Kingfisher, Belted	4	2	2	15	1	5	12	11	4	14	1	1
Woodpecker, Red-headed	-	-	-	13	1	1	1	-	-	8	1	-
Red-bellied	38	2	5	64	23	14	40	19	2	56	5	10
Sapsucker, Yellow-bellied	-	11	-	5	-	-	-	-	1	1	-	-
Woodpecker, Downy	55	17	11	78	37	18	81	34	18	42	6	15
Hairy	10	15	3	16	7	13	26	3	1	9	7	1
Flicker, Northern	56	22	1	88	14	26	70	24	33	51	1	10
Woodpecker, Pileated	17	4	4	25	13	18	18	4	7	1	-	-
Flycatcher, Olive-sided	-	-	-	1	-	1	-	-	-	-	-	-
Wood-pewee, Eastern	3	-	1	8	-	-	1	-	-	7	-	-
Flycatcher, Yellow-bellied	-	-	-	-	-	-	-	-	-	-	-	-
Acadian	1	-	-	5	2	-	2	-	-	9	-	-
Alder	-	-	-	-	-	-	-	-	-	1	-	-
Willow	-	-	-	-	-	-	-	-	-	-	-	-
Least	5	13	2	9	1	12	19	3	7	3	1	-
Phoebe, Eastern	33	1	1	43	13	13	66	17	21	17	6	1
Flycatcher, Great Crested	11	-	-	27	4	9	3	11	4	30	-	2
Kingbird, Eastern	96	-	-	104	4	6	12	8	25	151	-	-
Lark, Horned	-	2	-	11	-	-	5	-	-	1	6	1
Martin, Purple	6	-	1	29	42	-	-	57	-	64	6	2
Swallow, Tree	685	160	21	358	133	139	1740	372	797	567	5	12
Northern Rough-winged.	91	-	4	83	16	31	131	29	49	52	5	15
Bank	190	5	-	5	-	-	27	2	-	475	1	6
Cliff	138	17	24	3	-	105	27	13	69	3	1	2
Barn	364	37	8	683	284	403	480	456	417	712	33	25
Jay, Blue	144	45	19	241	131	66	328	77	122	277	13	35
Crow, American	307	92	56	328	154	183	537	186	305	209	21	40
Fish	6	-	-	14	-	6	-	2	-	27	-	1
Raven, Common	-	10	-	3	2	10	-	2	-	-	-	-
Chickadee, Black-capped	47	71	17	79	102	54	328	25	158	24	14	6
Carolina	12	20	-	20	-	3	-	-	-	69	-	1
Titmouse, Tufted	109	5	3	110	111	37	166	60	55	100	13	12
Nuthatch, Red-breasted	-	5	-	1	-	3	-	-	3	-	-	-
White-breasted	20	11	6	53	44	15	94	25	18	17	5	6
Creepers, Brown	3	4	1	-	1	6	6	-	9	-	-	-
Wren, Carolina	16	-	2	35	11	3	6	16	1	32	-	-
House	33	3	-	96	23	32	49	22	46	64	3	15
Winter	1	1	2	-	-	5	-	1	3	1	-	-
Sedge	-	-	-	-	-	-	-	-	-	1	-	-
Marsh	-	-	-	-	-	-	-	-	-	-	-	-
Kinglet, Golden-crowned	-	-	-	2	-	5	4	-	2	1	-	-
Ruby-crowned	1	2	5	19	3	28	43	10	7	24	3	2
Gnatcatcher, Blue-Gray	38	-	-	60	34	39	59	34	2	52	5	8
Bluebird, Eastern	72	6	4	136	59	24	77	62	10	63	9	3

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Veery	23	-	-	6	3	4	16	3	10	57	3	6
Thrush, Gray-cheeked	-	-	-	-	-	-	-	-	-	-	-	-
Swainson's	3	-	-	3	-	1	6	-	-	5	-	1
Hermitt	2	21	5	1	-	2	13	-	5	-	-	-
Wood	70	2	9	82	81	38	194	25	32	190	9	20
Robin, American	583	265	65	963	346	136	1258	300	496	799	68	50
Catbird, Gray	204	8	17	259	80	76	187	81	94	384	18	25
Mockingbird, Northern	20	-	-	107	4	2	6	8	9	29	-	-
Thrasher, Brown	12	-	-	51	6	5	23	8	3	9	3	1
Pipit, American	30	-	-	1	-	-	-	-	-	118	-	-
Waxwing, Cedar	31	-	-	1	3	-	-	-	20	46	-	-
Shrike, Loggerhead	-	-	-	-	-	-	-	-	-	-	-	-
Starling, European	663	150	37	1176	242	113	927	255	454	596	101	100
Vireo, White-eyed	13	11	-	7	7	-	7	-	-	11	-	-
Solitary	11	7	1	9	1	22	37	-	5	15	1	-
Yellow-throated	6	1	-	1	17	4	3	-	1	17	-	3
Warbling	8	2	1	2	9	3	1	1	2	14	-	6
Philadelphia	-	-	-	-	-	-	-	-	-	-	-	1
Red-eyed	22	23	-	71	15	8	12	14	6	47	-	3
Warbler, Blue-winged	25	-	2	10	39	5	9	7	14	37	4	1
Golden-winged	1	-	-	2	-	-	-	1	-	-	-	-
Tennessee	3	-	-	4	1	-	-	1	3	2	-	-
Orange-crowned	-	-	-	-	-	-	-	-	-	-	-	-
Nashville	4	3	-	10	6	4	8	5	3	15	3	1
Parula, Northern	30	-	-	7	3	3	8	-	-	46	-	12
Warbler, Yellow	94	1	6	100	55	34	141	24	50	104	12	20
Chestnut-sided	27	3	2	23	5	9	8	1	7	67	1	14
Magnolia	9	1	1	20	6	3	18	2	2	52	6	3
Cape May	5	-	-	2	1	-	4	-	1	2	-	-
Black-throated Blue	41	-	2	46	2	20	20	3	8	110	2	3
Yellow-rumped	313	14	-	156	63	73	294	308	320	1058	32	40
Black-throated Green	58	5	3	45	11	77	113	9	17	94	16	16
Blackburnian	18	4	1	24	6	29	39	1	14	19	-	3
Yellow-throated	-	-	-	1	5	4	2	-	-	2	-	-
Pine	3	-	-	-	-	4	5	1	-	1	-	-
Prairie	15	-	-	-	4	5	8	2	35	7	-	-
Palmer	6	8	-	12	-	7	14	1	2	11	1	-
Bay-breasted	4	-	-	3	2	-	-	1	-	2	-	-
Blackpoll	1	-	-	-	-	-	2	-	-	1	-	-
Cerulean	8	-	-	6	29	8	8	-	-	7	6	-
Black-and-white	56	11	2	30	5	24	46	6	20	71	1	15
Redstart, American	40	3	2	89	22	26	50	4	10	121	5	15
Warbler, Prothonotary	-	-	-	-	-	-	-	-	-	-	-	-
Worm-eating	16	-	-	9	-	6	-	8	-	10	-	4
Ovenbird	160	24	7	80	54	123	141	32	91	195	1	40
Waterthrush, Northern	9	-	-	11	-	1	1	1	3	7	-	1
Louisiana	13	-	-	14	7	16	8	8	7	11	-	-
Warbler, Kentucky	4	-	-	7	15	-	7	-	-	1	-	2
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-
Mourning	-	-	-	-	-	-	-	-	-	-	-	-
Yellowthroat, Common	87	2	10	12	83	80	171	58	54	155	6	15
Warbler, Hooded	35	-	-	8	8	1	16	-	2	5	7	1
Wilson's	-	-	-	1	-	-	4	-	-	-	-	-
Canada	1	-	-	2	-	6	1	1	-	5	-	-
Chat, Yellow-breasted	5	-	-	6	13	2	-	-	-	6	-	-
Tanager, Summer	-	-	-	-	1	-	-	-	-	-	-	-
Scarlet	29	2	-	49	45	15	18	4	5	88	-	2

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Cardinal, Northern	145	19	17	215	186	45	319	77	57	156	12	25
Grosbeak, Rose-breasted	83	70	24	93	27	75	151	23	38	98	20	12
Blue	-	-	-	-	-	-	-	-	-	2	-	-
Bunting, Indigo	79	2	2	96	57	16	41	51	6	59	-	-
Towhee, Eastern	100	35	25	137	150	165	369	44	36	56	17	3
Sparrow, American Tree	-	-	7	23	-	-	-	-	-	-	-	-
Chipping	90	125	29	218	81	104	492	126	179	79	12	8
Field	71	20	7	68	64	35	157	15	61	35	13	3
Vesper	3	2	-	3	-	1	4	-	-	2	-	1
Savannah	9	12	3	-	-	-	9	8	6	4	16	-
Grasshopper	2	-	-	4	1	-	9	5	1	3	6	2
Henslow's	-	-	-	-	-	-	2	-	-	3	6	-
Fox	-	-	-	3	-	-	-	-	-	-	-	-
Song	122	46	39	219	141	77	283	87	124	105	38	6
Lincoln's	1	1	-	-	-	1	-	-	-	-	1	-
Swamp	4	-	4	1	-	3	14	11	8	15	3	-
White-throated	26	10	11	69	8	28	82	39	15	105	6	6
White-crowned	9	26	24	85	31	8	54	12	14	7	3	-
Junco, Dark-eyed	2	75	25	3	-	7	5	1	3	4	-	-
Bobolink	85	5	13	104	5	10	34	61	156	106	19	8
Blackbird, Red-winged	456	132	72	376	343	167	1821	175	813	187	136	40
Meadowlark, Eastern	13	8	2	5	26	3	68	15	8	9	11	4
Blackbird, Rusty	-	-	-	12	-	-	7	-	-	-	-	-
Grackle, Common	1007	163	52	1066	169	141	1368	516	169	1155	34	50
Cowbird, Brown-headed	171	37	19	150	129	41	272	47	95	148	6	20
Oriole, Orchard	1	-	-	7	7	2	5	2	2	15	-	2
Baltimore	84	5	3	150	31	31	78	52	29	136	1	25
Purple Finch	-	8	8	23	6	3	46	4	36	-	1	-
House Finch	184	28	13	246	116	20	266	106	66	85	21	20
Redpoll, Common	-	-	-	-	-	-	1	-	-	-	-	-
Siskin, Pine	-	-	-	-	-	-	1	-	-	-	-	-
Goldfinch, American	148	168	50	399	146	164	610	131	272	337	36	10
Grosbeak, Evening	-	1	-	-	-	-	-	-	-	-	-	-
Sparrow, House	154	26	17	464	71	20	269	150	114	231	-	-
Buteo sp.	-	-	-	-	-	-	-	-	-	-	-	-
Eagle sp.	-	-	-	-	-	2	-	-	-	-	-	-
Peep sp.	-	-	-	1	-	-	-	1	-	-	-	-
Gull sp.	-	-	-	-	-	-	-	-	-	-	-	-
Sterna sp.	-	-	-	300	-	-	-	-	-	-	-	-
Empidonax sp.	2	3	-	-	-	3	17	3	-	2	-	1
Swallow sp.	1000	-	-	-	-	500	-	-	-	-	-	-
Crow sp.	9	-	-	29	-	-	-	6	-	10	-	-
Chickadee sp.	-	-	-	-	-	-	-	-	-	-	-	-
Vireo sp.	-	-	-	-	-	-	-	-	-	-	-	-
Warbler, Brewster's	1	-	-	-	-	5	-	-	-	-	-	-
Warbler, Lawrence's	-	-	-	1	-	-	-	-	-	-	-	-
Blackbird sp.	-	-	-	12	-	-	-	-	-	-	-	-
Total Individuals	11512	2552	1271	13166	4996	4749	16662	5286	7109	18422	1223	1127
Total Species	165	98	81	152	116	136	152	124	119	161	87	96

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Loon, Red-Throated	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Grebe, Pied-billed	3	5	-	-	1	4	3	-	2	21	3	-	2
Horned	-	-	-	-	-	-	-	-	-	-	2	-	-
Cormorant, Great	-	-	-	4	-	-	-	-	-	-	-	-	-
Double-crested	30	9	-	91	-	2	2	3	16	-	4	-	1
Bittern, American	2	-	-	-	1	1	-	-	-	-	-	-	1
Least	-	-	-	-	-	-	-	-	-	-	-	-	-
Heron, Great Blue	17	3	2	14	11	8	8	33	10	19	15	7	4
Egret, Great	-	-	-	10	-	-	-	-	-	-	-	-	2
Snowy	-	-	-	-	-	-	-	-	-	-	-	-	-
Heron, Little Blue	-	-	-	-	-	-	-	-	-	-	-	-	-
Heron, Green	9	8	-	3	6	5	1	1	1	8	5	2	3
Night Heron, Black-crowned	-	-	-	4	-	-	-	-	-	-	-	-	-
Yellow-crowned	-	-	-	-	-	-	-	-	-	-	-	-	-
Swan, Tundra	-	1	-	-	-	-	-	-	-	-	-	-	-
Mute	2	-	-	6	-	2	1	-	-	2	2	-	-
Goose, Snow	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	193	93	35	309	90	260	64	79	117	258	250	53	83
Duck, Wood	70	5	-	16	13	13	15	19	5	157	36	21	7
Teal, Green-winged	-	-	-	-	-	-	-	-	-	6	-	-	-
Duck, American Black	2	-	-	3	-	4	2	-	-	4	2	-	-
Mallard	141	53	-	294	62	123	34	17	12	80	188	40	23
Teal, Blue-winged	2	-	-	-	-	2	-	-	6	-	3	2	2
Shoveler, Northern	-	-	-	2	-	-	-	-	1	-	-	-	-
Gadwall	-	-	-	-	-	-	-	-	-	-	-	-	-
Wigeon, American	-	-	-	-	-	-	-	-	2	-	3	-	-
Canvasback	-	-	-	-	-	-	-	-	-	-	-	-	-
Duck, Ringed-neck	1	-	-	-	2	-	-	2	-	-	-	-	-
Scaup, Lesser	1	1	-	-	-	-	-	-	-	-	-	-	-
Scoter, Surf	-	-	-	-	-	-	-	-	-	-	-	-	-
Bufflehead	-	-	-	-	-	-	-	-	-	-	-	-	-
Merganser, Hooded	-	-	-	-	2	-	1	-	1	6	-	-	-
Common	10	12	-	-	15	-	10	5	2	43	-	8	-
Red-breasted	-	-	-	-	1	-	-	-	-	-	4	-	1
Duck, Ruddy	-	-	-	-	-	-	-	-	13	-	-	-	-
Vulture, Black	1	-	-	3	-	4	-	-	-	-	-	-	6
Turkey	52	52	16	20	30	67	31	8	15	113	29	23	10
Osprey	15	5	-	5	4	20	4	8	1	8	8	2	-
Eagle, Bald	-	1	-	-	-	-	1	-	-	6	-	-	-
Harrier, Northern	1	-	-	-	1	1	-	-	2	1	1	-	-
Hawk, Sharp-shinned	3	3	2	3	-	6	2	-	-	2	2	-	-
Cooper's	5	1	2	1	-	1	-	-	1	4	4	-	1
Goshawk, Northern	2	-	-	-	-	-	-	-	-	1	-	-	-
Hawk Red-shouldered	1	-	-	-	-	-	-	-	-	-	3	-	-
Broad-winged	14	-	-	2	-	9	-	-	-	6	2	1	-
Red-tailed	21	-	8	21	3	29	4	1	1	15	22	2	4
Kestrel, American	11	6	-	16	5	8	2	1	2	13	5	2	1
Merlin	-	-	-	-	-	-	-	-	-	-	-	-	-
Falcon, Peregrine	-	-	-	2	-	-	-	-	-	1	-	-	-
Pheasant, Ring-necked	-	-	2	18	-	3	-	-	-	2	3	2	-
Grouse, Ruffed	10	2	-	-	10	4	13	-	1	11	7	-	-
Turkey, Wild	10	1	6	-	-	16	8	1	-	35	54	2	-
Bobwhite, Northern	-	-	-	-	-	6	-	2	-	-	-	1	-
Rail, Virginia	1	-	-	-	-	-	-	1	-	-	-	1	-
Sora	5	-	-	-	3	-	-	-	-	1	-	-	-
Moorhen, Common	-	-	-	4	-	-	-	-	-	2	-	-	-

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Coot, American	1	-	-	6	-	1	-	-	4	-	2	-	12
Plover, Black-bellied	-	-	-	-	-	-	-	-	-	-	-	-	2
Lesser Golden	-	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated	5	-	-	-	-	2	-	-	-	-	-	-	6
Killdeer	52	14	4	9	18	30	5	1	3	24	44	4	16
Yellowlegs, Greater	4	-	-	4	1	2	-	-	7	-	-	3	4
Lesser	7	-	-	1	-	20	-	-	5	1	1	1	12
Sandpiper, Solitary	30	2	-	5	5	12	-	9	21	5	16	7	10
Willet	-	-	-	-	-	-	-	-	-	-	-	-	-
Sandpiper, Spotted	28	5	-	11	5	9	7	4	21	25	18	14	19
Upland	-	-	-	-	-	-	-	-	-	-	1	-	-
Sandpiper, Semipalmated	-	-	-	23	-	1	-	-	-	-	1	-	-
Least	77	-	-	-	2	2	-	-	2	1	1	-	38
White-rumped	-	-	-	-	-	-	-	-	-	-	-	-	-
Pectoral	-	-	-	-	-	5	-	-	1	-	-	-	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	8
Dowitcher, Short-billed	-	-	-	-	-	-	-	-	-	-	-	-	-
Snipe, Common	5	-	-	3	2	-	-	1	-	-	-	-	-
Woodcock, American	4	-	-	1	3	2	7	-	6	2	11	1	-
Phalarope, Wilson's	-	-	-	-	-	-	-	-	-	-	-	-	-
Gull, Laughing	-	-	-	27	-	-	-	-	-	-	-	-	-
Bonaparte's	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-billed	-	29	-	274	-	-	-	8	82	20	3	1	45
Herring	1	-	-	45	-	-	-	-	-	-	-	-	-
Great Black-backed	-	-	-	10	-	-	-	-	-	-	-	-	-
Tern, Caspian	-	-	-	-	-	-	-	-	-	-	1	-	-
Common	-	-	-	-	-	-	-	-	-	-	-	-	-
Forster's	-	-	-	-	-	-	-	-	1	-	-	-	-
Black	-	-	-	-	-	-	-	-	1	-	-	-	-
Dove, Rock	197	81	7	649	23	191	37	11	50	35	66	51	10
Mourning	148	70	13	193	76	159	54	30	36	90	158	44	26
Cuckoo, Black-billed	-	-	3	-	-	2	-	-	-	-	1	-	-
Yellow-billed	1	-	-	3	-	-	-	-	-	2	3	-	-
Owl, Barn	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Screech	4	-	1	-	-	2	-	-	-	-	2	-	-
Great Horned	2	-	-	4	-	1	-	1	-	3	1	-	-
Barred	2	-	-	-	-	-	-	-	-	3	2	-	-
Short-eared	-	-	-	-	-	-	-	-	-	-	-	-	-
Nighthawk, Common	-	-	-	-	-	-	-	-	-	-	1	-	-
Whip-poor-will	1	-	-	-	-	3	-	-	-	-	-	-	-
Swift, Chimney	212	5	-	384	-	76	3	-	18	91	55	4	10
Hummingbird, Ruby-throated	13	5	2	4	3	13	20	1	-	16	28	1	-
Kingfisher, Belted	5	10	-	2	12	9	4	-	-	14	8	1	3
Woodpecker, Red-headed	-	-	-	1	-	1	-	-	-	-	-	-	-
Red-bellied	10	8	15	35	-	17	1	-	1	9	66	3	8
Sapsucker, Yellow-bellied	-	-	-	-	21	-	15	1	-	22	-	1	-
Woodpecker, Downy	41	11	11	36	17	28	24	7	2	30	63	14	4
Hairy	17	2	3	7	9	11	19	1	-	16	17	3	2
Flicker, Northern	31	16	14	63	30	39	20	13	2	34	47	6	6
Woodpecker, Pileated	9	1	-	1	4	7	6	-	3	9	19	6	-
Woodpecker, Olive-sided	-	-	-	-	-	-	-	-	-	-	-	-	-
Flycatcher, Eastern	-	-	-	1	-	1	-	-	1	4	4	-	1
Flycatcher, Yellow-bellied	-	-	-	-	-	-	-	-	-	2	-	-	-
Acadian	-	-	-	3	-	-	-	-	-	-	1	-	-
Alder	-	-	-	-	-	-	-	-	-	1	-	-	-
Willow	-	-	-	1	-	-	-	-	-	1	-	-	-
Least	20	7	-	1	7	1	-	-	-	41	16	3	1

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Phoebe, Eastern	40	20	1	17	19	25	29	4	1	67	23	5	2
Flycatcher, Great Crested	8	5	7	32	-	10	-	-	-	6	10	-	5
Kingbird, Eastern	4	6	-	38	7	18	-	3	11	18	18	6	18
Lark, Horned	15	-	-	-	5	1	-	-	-	2	-	2	2
Martin, Purple	15	-	-	-	-	30	-	-	-	-	1	2	8
Swallow, Tree	1241	366	59	716	177	177	127	155	475	712	87	258	65
Northern Rough-winged.	132	7	30	103	7	57	1	19	3	258	89	42	107
Bank	46	50	-	6	2	2	-	1	10	158	1	10	1
Cliff	88	11	-	88	11	8	-	1	1	193	11	10	4
Barn	707	464	-	119	35	289	88	40	280	410	270	139	25
Jay, Blue	135	43	40	103	58	163	56	18	48	183	167	23	11
Crow, American	326	109	20	235	137	307	138	52	79	329	269	65	15
Fish	17	7	1	17	-	9	-	-	-	1	-	2	2
Raven, Common	8	7	-	-	20	4	3	1	-	2	2	3	2
Chickadee, Black-capped	159	45	11	-	103	75	132	25	2	193	114	35	5
Carolina	-	-	-	124	-	-	-	-	-	-	29	-	4
Titmouse, Tufted	69	8	31	134	10	71	24	9	3	63	122	27	7
Nuthatch, Red-breasted	3	3	-	-	1	2	4	1	-	4	2	2	-
White-breasted	28	4	4	13	12	22	16	8	-	38	50	5	3
Creeper, Brown	7	6	-	-	5	5	4	-	-	8	-	3	-
Wren, Carolina	3	4	-	13	-	10	-	-	-	-	39	1	4
House	55	11	13	91	6	17	11	13	2	51	42	9	12
Winter	4	-	-	-	5	1	1	-	-	16	4	2	-
Sedge	-	-	-	-	-	-	-	-	-	-	-	-	-
Marsh	-	-	-	1	-	-	-	-	-	1	-	-	-
Kinglet, Golden-crowned	3	2	-	-	-	3	-	-	-	4	1	-	-
Ruby-crowned	44	7	1	7	14	11	8	1	2	26	42	1	1
Gnatcatcher, Blue-Gray	36	7	-	69	2	48	4	7	3	43	80	16	7
Bluebird, Eastern	29	15	15	2	5	37	19	3	7	40	52	11	5
Veery	10	-	2	52	1	18	1	1	1	14	32	2	6
Thrush, Gray-cheeked	-	-	-	-	-	-	2	-	-	-	-	-	-
Swainson's	1	-	-	10	-	1	-	-	-	-	13	-	-
Hermit	10	10	-	-	17	10	8	-	2	18	7	-	-
Wood	58	11	35	69	3	71	3	2	2	26	117	11	18
Robin, American	853	276	47	704	355	437	308	139	83	420	516	182	32
Catbird, Gray	186	59	25	457	7	166	19	14	8	104	108	50	54
Mockingbird, Northern	9	5	7	51	-	15	2	1	-	-	9	-	3
Thrasher, Brown	10	2	1	6	2	3	2	2	1	9	13	1	1
Pipit, American	6	-	-	-	-	-	-	-	4	-	-	-	-
Waxwing, Cedar	39	7	-	11	-	11	1	91	-	20	1	-	-
Shrike, Loggerhead	-	-	-	-	-	-	-	-	-	-	-	-	-
Starling, European	940	155	16	714	146	261	60	159	106	199	437	37	30
Vireo, White-eyed	1	-	-	23	-	1	-	-	1	-	15	-	3
Solitary	21	6	2	5	12	20	16	1	2	24	10	4	-
Yellow-throated	9	1	1	3	-	2	-	-	-	24	4	3	-
Warbling	5	-	7	17	-	2	-	1	-	7	6	3	-
Philadelphia	-	1	-	-	-	-	-	-	-	-	-	-	-
Red-eyed	10	2	11	59	-	14	4	-	-	17	18	-	3
Warbler, Blue-winged	4	3	3	34	1	18	-	-	-	9	19	6	2
Golden-winged	-	-	-	-	-	1	-	-	-	-	4	-	-
Tennessee	-	-	-	1	1	-	-	-	-	4	2	-	-
Orange-crowned	-	-	-	-	-	-	-	-	-	-	-	-	-
Nashville	16	-	-	4	5	4	3	-	-	6	7	1	-
Parula, Northern	13	-	-	81	-	30	-	-	-	31	6	3	6
Warbler, Yellow	107	46	4	184	10	45	7	8	11	105	116	32	18
Chestnut-sided	16	4	6	30	-	14	4	-	8	37	20	13	6
Magnolia	2	5	-	53	2	4	4	-	5	13	17	-	2



NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Cape May	-	-	-	-	-	3	-	1	-	1	-	-	-
Black-throated Blue	19	9	-	76	3	22	3	1	1	30	14	2	10
Yellow-rumped	253	27	134	421	14	320	15	7	110	841	200	61	66
Black-throated Green	35	22	3	14	26	71	19	-	8	85	50	8	12
Blackburnian	10	13	-	14	15	7	7	-	4	18	47	1	-
Yellow-throated	-	4	-	-	-	-	-	-	4	-	10	-	-
Pine	7	5	-	-	-	3	6	-	1	6	2	2	-
Prairie	10	-	-	10	-	10	-	-	-	-	8	1	4
Palm	-	15	-	1	1	2	1	1	2	1	6	1	3
Bay-breasted	-	-	-	1	-	-	-	-	-	1	2	1	2
Blackpoll	-	-	-	4	-	-	-	-	-	2	-	-	-
Cerulean	-	1	-	-	-	1	-	-	-	3	18	-	-
Black-and-white	67	34	7	62	9	36	19	1	1	113	26	4	5
Redstart, American	52	16	8	114	3	17	2	4	9	99	101	48	18
Warbler, Prothonotary	-	-	-	1	-	-	-	-	-	1	-	-	-
Worm-eating	15	-	4	6	-	8	35	9	-	2	1	-	1
Ovenbird	238	35	35	58	20	207	1	1	7	117	61	73	13
Waterthrush, Northern	7	2	-	10	1	1	1	1	1	8	2	3	-
Louisiana	11	3	-	4	2	3	-	-	3	8	27	2	-
Warbler, Kentucky	-	-	-	1	-	-	-	-	-	-	10	-	1
Connecticut	-	-	-	-	-	-	-	-	-	1	-	-	-
Mourning	-	-	-	-	-	-	-	-	1	-	1	-	-
Yellowthroat, Common	124	33	9	154	16	99	20	8	3	94	140	46	28
Warbler, Hooded	6	-	-	2	-	-	-	-	-	-	27	-	2
Wilson's	-	-	-	1	-	-	-	-	-	1	5	-	-
Canada	-	-	-	6	-	-	-	-	-	8	1	-	-
Chat, Yellow-breasted	-	6	-	1	-	1	-	-	-	-	6	-	-
Tanager, Summer	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet	3	-	6	26	-	18	-	-	9	13	49	7	5
Cardinal, Northern	104	58	33	147	19	106	28	15	7	45	193	30	20
Grosbeak, Rose-breasted	61	34	24	20	43	66	43	6	21	59	122	19	5
Blue	-	-	-	4	-	1	-	-	-	-	-	-	-
Bunting, Indigo	13	4	6	14	-	18	12	3	-	5	35	3	4
Towhee, Eastern	98	29	15	46	52	99	26	14	5	45	216	9	13
Sparrow, American Tree	-	2	-	-	-	-	-	-	-	-	-	-	-
Chipping	239	82	24	38	141	155	167	78	24	223	139	98	7
Field	45	30	6	11	15	33	20	12	1	18	60	19	1
Vesper	4	-	-	-	2	3	-	-	-	4	1	1	3
Savannah	13	-	-	-	9	2	3	-	8	6	7	4	-
Grasshopper	11	-	-	-	-	-	-	-	-	1	6	-	-
Henslow's	-	-	-	-	-	-	-	-	2	-	-	2	-
Fox	-	-	-	-	-	-	-	-	-	-	-	-	-
Song	171	97	42	176	112	66	45	47	23	131	209	77	17
Lincoln's	-	-	-	-	-	-	-	-	-	-	3	-	-
Swamp	40	3	-	18	8	1	5	9	6	19	15	6	-
White-throated	38	37	-	192	28	15	36	4	6	36	51	2	10
White-crowned	11	15	-	2	18	6	4	10	4	16	23	5	-
Junco, Dark-eyed	5	20	-	1	84	9	131	18	32	18	10	2	-
Bobolink	115	3	-	37	20	6	4	27	43	117	30	30	2
Blackbird, Red-winged	603	128	13	306	1179	302	180	139	159	559	462	168	49
Meadowlark, Eastern	51	7	-	2	17	4	2	10	18	12	43	14	1
Blackbird, Rusty	-	-	-	-	-	-	16	-	-	-	1	-	-
Grackle, Common	553	218	28	329	195	372	75	95	128	166	346	61	34
Cowbird, Brown-headed	311	44	36	115	79	57	92	19	15	133	171	56	5
Oriole, Orchard	-	-	1	11	1	1	1	-	-	-	1	-	-
Baltimore	41	5	11	125	5	71	13	1	1	38	38	31	12
Purple Finch	6	9	-	-	22	16	48	3	4	21	10	-	1

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
House Finch	70	45	26	132	13	80	31	12	2	25	71	14	14
Redpoll, Common	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskin, Pine	-	-	-	-	-	3	4	-	-	-	-	-	-
Goldfinch, American	231	106	57	185	186	145	179	58	36	168	363	117	28
Grosbeak, Evening	-	-	-	-	-	-	-	-	-	-	-	-	-
Sparrow, House	269	58	-	253	31	126	19	4	11	30	161	34	6
Buteo sp.	-	-	-	-	1	-	-	-	-	-	-	-	-
Eagle sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Peep sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Gull sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Empidonax sp.	1	-	-	-	1	-	5	1	-	-	4	-	1
Swallow sp.	-	-	2	-	-	-	-	-	-	-	-	-	-
Crow sp.	-	-	-	-	-	-	-	-	-	-	1	-	-
Chickadee sp.	-	-	-	-	-	-	1	-	-	-	-	-	-
Vireo sp.	-	-	-	1	-	-	-	-	-	-	-	-	-
Warbler, Brewster's	-	-	-	-	1	-	-	-	-	-	-	-	-
Warbler, Lawrence's	-	-	-	-	-	-	-	-	-	-	-	-	-
Blackbird sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Individuals	11071	3588	1076	10218	4104	6377	2855	1666	2329	8602	7942	2428	1296
Total Species	143	110	67	137	103	145	102	86	104	144	153	113	107

	Totals	Number of Counts	Average	High	High Count
Loon, Red-Throated	1	1	1	1	Chester
Common	82	19	4	21	Wayne
Grebe, Pied-billed	22	12	2	4	Berks
Horned	3	2	2	2	Clarion
Comorant, Great	4	1	4	4	Philadelphia
Double-crested	629	22	29	212	Bucks
Blitern, American	7	6	1	2	Luzerne
Least	1	1	1	1	Indiana
Heron, Great Blue	379	34	11	51	Bucks
Egret, Great	93	8	12	71	Dauphin
Snowy	1	1	1	1	Lancaster
Heron, Little Blue	1	1	1	1	Dauphin
Heron, Green	130	30	4	10	Dauphin
Night Heron, Black-crowned	138	5	28	124	Lancaster
Yellow-crowned	6	2	3	4	Cumberland
Swan, Tundra	3	3	1	1	Bucks
Mute	65	16	4	30	Bucks
Goose, Snow	31	3	10	17	Lancaster
Canada	12045	36	335	5374	Lancaster
Duck, Wood	842	35	24	157	Wayne
Teal, Green-winged	11	4	3	6	Wayne
Duck, American Black	27	8	3	7	Lancaster
Mallard	3105	35	89	308	Bucks
Teal, Blue-winged	67	16	4	9	2
Shoveler, Northern	6	4	2	2	3
Gadwall	3	1	3	3	Dauphin
Wigeon, American	20	7	3	8	Chester
Canvasback	1	1	1	1	Berks
Duck, Ringed-neck	9	5	2	2	4
Scaup, Lesser	10	5	2	6	Indiana

	Totals	Number of Counts	Average	High	High Count
Scoter, Surf	7	2	4	5	Lehigh
Bufflehead	12	4	3	7	Butler
Merganser, Hooded	20	8	3	6	Wayne
Common	188	18	10	43	Wayne
Red-breasted	71	11	6	26	Butler
Duck, Ruddy	45	8	6	17	Berks
Vulture, Black	196	15	13	49	Lancaster
Turkey	1923	36	53	320	Lancaster
Osprey	160	29	6	20	Schuylkill
Eagle, Bald	28	12	2	6	Wayne
Harrier, Northern	19	13	1	4	Allegheny
Hawk, Sharp-shinned	69	27	3	6	Schuylkill
Cooper's	63	26	2	7	Franklin
Goshawk, Northern	3	2	2	2	Luzerne
Hawk Red-shouldered	14	12	1	3	Westmoreland
Broad-winged	84	22	4	14	Luzerne
Red-tailed	506	31	16	63	Bucks
Kestrel, American	212	33	6	17	5
Merlin	5	5	1	1	6
Falcon, Peregrine	9	6	2	2	7
Pheasant, Ring-necked	110	23	5	21	Indiana
Grouse, Ruffed	137	24	6	19	Elk
Turkey, Wild	306	28	11	54	Westmoreland
Bobwhite, Northern	15	6	3	6	Schuylkill
Rail, Virginia	12	7	2	4	Bucks
Sora	19	7	3	7	Chester
Moorhen, Common	7	3	2	4	Philadelphia
Coot, American	135	20	7	33	Indiana
Plover, Black-bellied	12	2	6	10	Chester
Lesser Golden	3	1	3	3	Lawrence

	Totals	Number of Counts	Average	High	High Count
Semipalmated	60	10	6	25	Chester
Killdeer	744	36	21	77	Indiana
Yellowlegs, Greater	97	17	6	21	Bucks
Lesser	173	22	8	23	Lehigh
Sandpiper, Solitary	382	32	12	31	Juniata
Willet	1	1	1	1	Clarion
Sandpiper, Spotted	510	33	15	52	Indiana
Upland	10	4	3	6	Lawrence
Sandpiper, Semipalmated	76	7	11	26	Chester
Least	341	20	17	77	Luzerne
White-rumped	10	1	10	10	Allegheny
Pectoral	28	6	5	8	York
Dunlin	2	2	1	1	8
Dowitcher, Short-billed	1	1	1	1	Berks
Snipe, Common	38	17	2	6	Venango
Woodcock, American	74	19	4	13	Indiana
Phalarope, Wilson's	3	3	1	1	9
Gull, Laughing	223	3	74	195	Bucks
Bonaparte's	47	6	8	27	Dauphin
Ring-billed	2082	21	99	379	Dauphin
Herring	198	7	28	91	Bucks
Great Black-backed	22	4	6	10	Philadelphia
Tern, Caspian	5	2	3	4	Lancaster
Common	27	4	7	11	Cumberland
Forster's	28	4	7	24	Dauphin
Black	5	4	1	2	Clarion
Dove, Rock	3876	36	108	649	Philadelphia
Mourning	3671	36	102	374	Bucks
Cuckoo, Black-billed	22	9	2	5	Bucks
Yellow-billed	25	12	2	4	Greene
Owl, Barn	9	4	2	5	Adams
Eastern Screech	40	16	3	9	Chester
Great Horned	45	20	2	4	10
Barred	31	16	2	4	Franklin
Short-eared	4	1	4	4	Allegheny
Nighthawk, Common	6	4	2	3	Chester
Whip-poor-will	21	9	2	5	Cumberland
Swift, Chimney	3218	31	104	406	Cumberland
Hummingbird, Ruby-throated	417	34	12	54	11
Kingfisher, Belted	190	32	6	16	Bucks
Woodpecker, Red-headed	67	14	5	31	Adams
Red-bellied	846	33	26	108	Bucks
Sapsucker, Yellow-bellied	88	12	7	22	Wayne
Woodpecker, Downy	1017	36	28	81	Indiana
Hairy	287	34	8	26	Indiana
Flicker, Northern	1022	36	28	88	Franklin
Woodpecker, Pileated	228	30	8	25	Franklin
Flycatcher, Olive-sided	5	4	1	2	Lycoming
Wood-pewee, Eastern	44	18	2	8	Franklin
Flycatcher, Yellow-bellied	3	2	2	2	Wayne
Acadian	39	12	3	9	Lancaster
Alder	2	2	1	1	12
Willow	5	3	2	3	Lancaster
Least	201	28	7	41	Wayne
Phoebe, Eastern	616	36	17	67	Wayne
Flycatcher, Great Crested	278	26	11	34	Bucks
Kingbird, Eastern	855	28	31	151	Lancaster

	Totals	Number of Counts	Average	High	High Count
Lark, Horned	75	16	5	15	Luzerne
Martin, Purple	612	20	31	180	Cumberland
Swallow, Tree	15595	36	433	2794	Berks
Northern Rough-winged.	4878	35	139	2543	Bucks
Bank	2082	29	72	500	Butler
Cliff	1578	28	56	304	Berks
Barn	11798	35	337	2310	Bucks
Jay, Blue	3773	36	105	375	Bucks
Crow, American	6079	36	169	603	Bucks
Fish	178	20	9	27	Lancaster
Raven, Common	88	22	4	20	Potter
Chickadee, Black-capped	2211	34	65	328	Indiana
Carolina	579	14	41	135	Bucks
Titmouse, Tufted	1994	36	55	225	Bucks
Nuthatch, Red-breasted	39	17	2	5	Elk
White-breasted	725	35	21	94	Indiana
Creepers, Brown	82	17	5	12	Clarion
Wren, Carolina	275	21	13	39	Westmoreland
House	1034	35	30	97	Bucks
Winter	54	18	3	16	Wayne
Sedge	2	2	1	1	13
Marsh	3	3	1	1	14
Kinglet, Golden-crowned	34	12	3	5	15
Ruby-crowned	412	35	12	44	Luzerne
Gnatcatcher, Blue-Gray	948	31	31	100	Chester
Bluebird, Eastern	1015	36	28	136	Franklin
Veery	409	32	13	57	Lancaster
Thrush, Gray-cheeked	3	2	2	2	Sullivan
Swainson's	56	14	4	13	Westmoreland
Hermit	154	22	7	21	Elk
Wood	1803	36	50	210	Bucks
Robin, American	13460	36	374	1258	Indiana
Catbird, Gray	4194	36	117	526	Bucks
Mockingbird, Northern	471	25	19	107	Franklin
Thrasher, Brown	267	34	8	51	Franklin
Pipit, American	224	9	25	118	Lancaster
Waxwing, Cedar	394	19	21	91	Tioga
Shrike, Loggerhead	2	1	2	2	Adams
Starling, European	11040	36	307	1176	Franklin
Vireo, White-eyed	192	19	10	40	Chester
Solitary	292	31	9	37	Indiana
Yellow-throated	143	26	6	24	Wayne
Warbling	156	24	7	36	Bucks
Philadelphia	4	4	1	1	16
Red-eyed	532	30	18	71	Franklin
Warbler, Blue-winged	405	30	14	49	Bucks
Golden-winged	13	7	2	4	Westmoreland
Tennessee	26	13	2	4	17
Orange-crowned	2	1	2	2	Butler
Nashville	154	29	5	21	Clarion
Parula, Northern	397	22	18	81	Philadelphia
Warbler, Yellow	2004	36	56	207	Bucks
Chestnut-sided	460	34	14	67	Lancaster
Magnolia	354	32	11	53	Philadelphia
Cape May	25	12	2	5	Dauphin
Black-throated Blue	705	31	23	110	Lancaster
Yellow-rumped	7765	35	222	1058	Lancaster

	Totals	Number of Counts	Average	High	High Count
Buteo sp.	1	1	1	1	1
Eagle sp.	2	1	2	2	2
Peep sp.	3	3	1	1	1
Gull sp.	4	2	2	2	2
Sterna sp.	300	1	300	300	300
Empidonax sp.	59	19	3	17	17
Crow sp.	62	6	10	29	29
Chickadee sp.	9	2	5	8	8
Vireo sp.	2	2	1	1	1
Warbler, Brewster's	8	4	2	5	5
Warbler, Lawrence's	1	1	1	1	1
Blackbird sp.	49	2	25	37	37
Total Individuals	218607	36	6072	19746	Bucks Dauphin
Total Species	234	36	122	165	

**Codes for Multiple Counts in High Column**

1. Chester, Clarion, Lycoming
2. Butler, Indiana
3. Blair, Philadelphia
4. Chester, Dauphin, Potter, Tioga
5. Adams, Lancaster
6. Bucks, Chester, Dauphin, Juniata, Lancaster
7. Allegheny, Dauphin, Philadelphia
8. Franklin, Indiana
9. Allegheny, Chester, Franklin
10. Bedford, Berks, Indiana, Philadelphia
11. Greene, Indiana
12. Lancaster, Wayne
13. Allegheny, Lancaster
14. Berks, Philadelphia, Wayne
15. Berks, Huntingdon
16. Allegheny, Bucks, Lehigh, Lycoming
17. Franklin, Wayne
18. Chester, Dauphin
19. Bucks, Franklin
20. Venango, Westmoreland
21. Lancaster, Westmoreland

	Totals	Number of Counts	Average	High	High Count
Black-throated Green	1125	35	32	113	Indiana
Blackburnian	375	32	12	47	Westmoreland
Yellow-throated	42	13	3	10	Westmoreland
Pine	58	18	3	7	Luzerne
Prairie	183	21	9	35	Lackawanna
Palm	124	27	5	15	Lycoming
Bay-breasted	25	12	2	4	18
Blackpoll	17	10	2	4	Philadelphia
Cerulean	131	20	7	29	Greene
Black-and-white	922	36	26	113	Wayne
Redstart, American	1229	35	35	121	Lancaster
Warbler, Prothonotary	6	3	2	4	Butler
Worm-eating	132	20	7	16	Dauphin
Ovenbird	2481	36	69	251	Berks
Waterthrush, Northern	108	24	5	11	19
Louisiana	200	25	8	27	Westmoreland
Warbler, Kentucky	77	16	5	15	Greene
Connecticut	1	1	1	1	Wayne
Mourning	2	2	1	1	20
Yellowthroat, Common	2221	36	62	206	Chester
Warbler, Hooded	173	22	8	35	Dauphin
Wilson's	23	10	2	5	21
Canada	46	15	3	8	Wayne
Chat, Yellow-breasted	58	13	4	13	Greene
Tanager, Summer	1	1	1	1	Greene
Scarlet	621	28	22	88	Lancaster
Cardinal, Northern	3357	36	93	381	Chester
Grosbeak, Rose-breasted	1652	36	46	151	Indiana
Blue	14	4	4	7	Bedford
Bunting, Indigo	657	31	21	96	Franklin
Towhee, Eastern	2562	36	71	369	Indiana
Sparrow, American Tree	34	5	7	23	Franklin
Chipping	3655	36	102	492	Indiana
Field	1074	35	31	157	Indiana
Vesper	60	18	3	16	Allegheny
Savannah	171	21	8	35	Allegheny
Grasshopper	101	18	6	36	Allegheny
Henslow's	33	5	7	21	Allegheny
Fox	4	2	2	3	Franklin
Song	3313	36	92	283	Indiana
Lincoln's	9	6	2	3	Westmoreland
Swamp	253	29	9	40	Luzerne
White-throated	1292	34	38	192	Philadelphia
White-crowned	488	30	16	85	Franklin
Junco, Dark-eyed	489	25	20	131	Sullivan
Bobolink	1298	33	39	156	Lackawanna
Blackbird, Red-winged	10988	36	305	1821	Indiana
Meadowlark, Eastern	469	35	13	68	Indiana
Blackbird, Rusty	42	7	6	16	Sullivan
Grackle, Common	11300	36	314	1368	Indiana
Cowbird, Brown-headed	3007	35	86	311	Luzerne
Oriole, Orchard	117	21	6	23	Chester
Baltimore	1526	36	42	198	Bucks
Purple Finch	373	28	13	48	Sullivan
House Finch	2327	36	65	266	Indiana
Redpoll, Common	4	2	2	3	Butler
Siskin, Pine	8	3	3	4	Sullivan
Goldfinch, American	5581	36	155	610	Indiana
Grosbeak, Evening	1	1	1	1	Elk
Sparrow, House	3221	33	98	464	Franklin