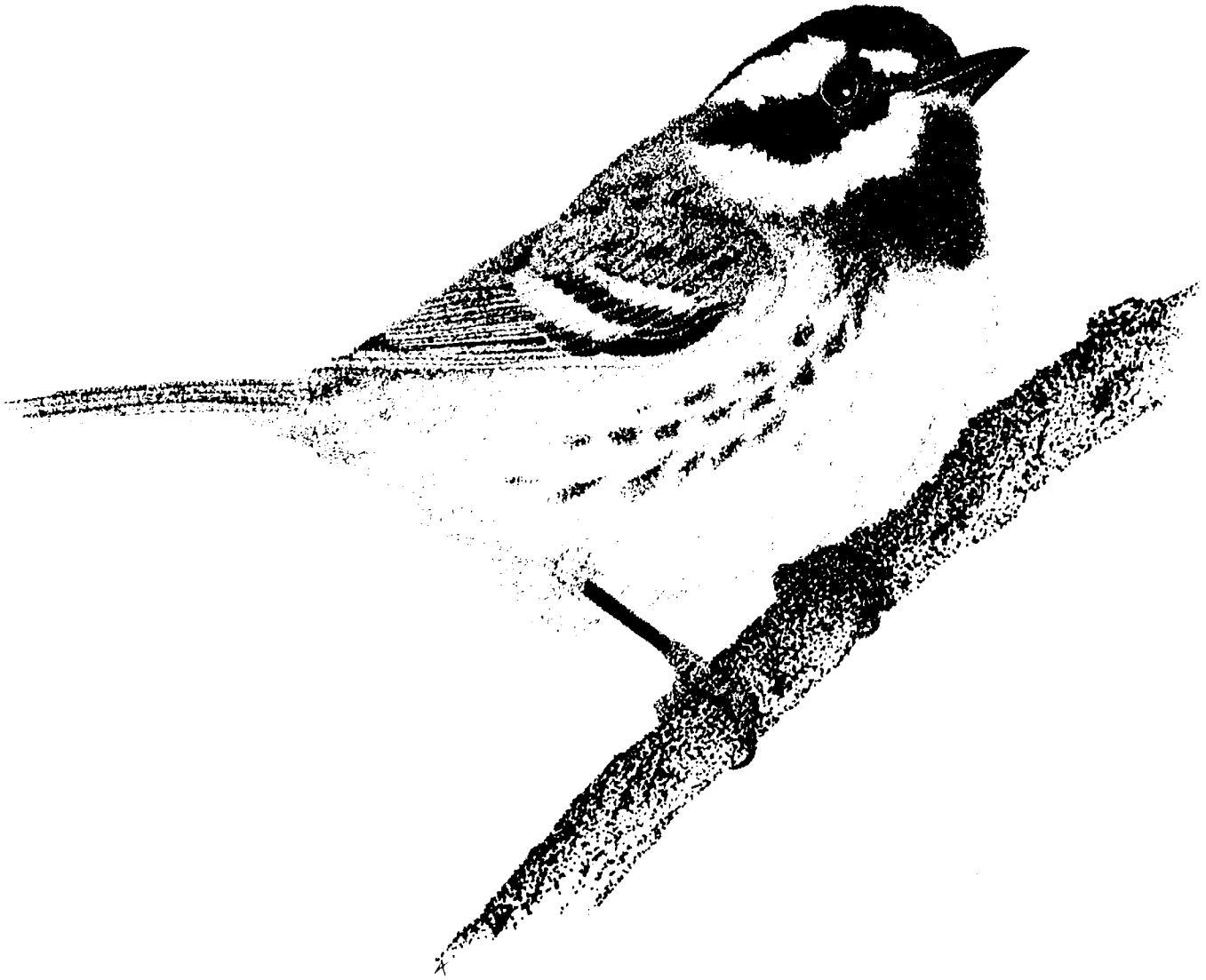
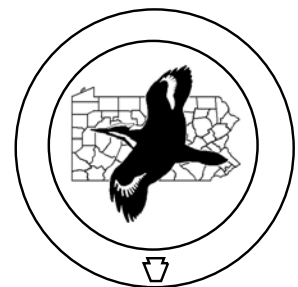


PENNSYLVANIA BIRDS



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ILLUSTRATIONS:

COVER: **Black-throated Gray Warbler** by **Adrian Binns**

from the Editors...

Apology for late issue

We held off publishing this issue in hopes that the CBC report would get done (see below). We are already working on the next issue and will get that one out on time. We apologize for the tardiness of this issue.

10th Anniversary PSO Meeting

The 10th Anniversary Meeting of the Pennsylvania Society for Ornithology will take place September 24-26, 1999 at the Holiday Inn in Morgantown, Berks County. The fall date is in response to members who expressed their desire for the meeting to change occasionally from the spring date that we have used the past several years. The meeting will feature great field trips, interesting programs, and some surprises.

Berks County has a rich ornithological past (see *A Century of Birdlife in Berks County* reviewed in *Pa. Birds* Volume 12, No. 1) and has some great birding areas.

The field trips will concentrate on the migration that is in full swing at that time, sampling a variety of habitats surrounding three bodies of water. This will include Lake Ontelaunee, Blue Marsh Lake, and Morgan Lake (Carr's Park). For those who wish to experience the hawk migration, the Route 183 Hawk Watch is not far and the easiest hawk watch to get to — no walking!

And, on Sunday morning, there will be a special field trip to look for Nelson's Sharp-tailed Sparrows on the islands in the Susquehanna River. This trip will be limited to 20 participants (we have to get out to the islands via boat), so get your reservation in immediately.

The Saturday afternoon programs

are still being finalized, but will include an identification program on hummingbirds by Louis Bevier of the Academy of Natural Sciences in Philadelphia. You will really want to see this program so you will be ready to identify that first Black-chinned or Anna's that shows up in the state.

The banquet speaker will be the legendary Pete Dunne (What else can we say!).

Come and join us for what will be an exceptional event.

New Compilers

The merry-go-round of compilers continues.

Dan Brauning has agreed to do the compiling for *Union* and handed over the compiling duties for *Montour* to Jon Beam.

Forest, which never had a compiler, does now! It is Florence McGuire, HC #1, Box 6A, Tionesta, PA 16353 mcguire@penn.com. It will be a pleasure to finally get reports from this area.

Peter Robinson is taking on the duties for *Adams*. We thank Debra Seifkin for her efforts this past year.

We welcome these new compilers to the fold.

Fall Migration Count

The Fall Migration Count which we expected to publish in this issue will not be published due to the compiler's computer crash. (I know — the excuse of the 90s!)

No CBC Report

The previous CBC compiler moved out of state early this year, and in spite of good intentions, was not able to do the CBC report. We finally asked him to send the data to us so that we could complete the report, but

there were only 45 out of 67 reports submitted and we decided that this was simply too little data to be worth publishing. We apologize to our readers who look forward to the CBC report each year. We hope that whoever volunteers to take on the CBC compiling responsibilities (see below) will be better able to meet deadlines and get better cooperation from individual CBC compilers for next year's CBC.

New CBC Compiler Needed

As mentioned above, we need a new CBC compiler. This job entails begging CBC compilers to send in their reports, inputting the results into a spreadsheet, and writing a statewide summary. The compiler should have a computer, **be willing and able to meet deadlines**, have a feel for CBC history in Pennsylvania, and like statistics.

If you are interested, please contact us.

New NAMC Compiler Needed

Ditto the above paragraph—just insert NAMC where you see CBC!

PORC

For those of you looking for a report from the Pennsylvania Ornithological Records Committee, we hope to have a report in the next issue. We lost several members this past year due to relocations, and health problems of one of our new members has impacted our timeliness. We hope to get back on track shortly and catch up on the backlog of records. We apologize to those of you who submitted records for review and promise to give them our full attention when they are circulated for voting. ♣

Frank & Barb Haas
Chief Editors

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Fall Raptor Migration Summary 1998

By Frank Hohenleitner

Twelve watches reported for fall 1998. Observers logged a total of 108,563 birds during 6,838 hours of coverage - excluding the special count in southeastern PA (Broadwing SEPT). One new site was added this season: McVile. We now have 2 sites reporting from western PA. There were no Swainson's Hawks or other unusual hawks. For the most part, the time frame for this report is mid-August to mid-December. The Energizer Bunny award goes to both Hawk Mt and Waggoners Gap. Each site tallied over 1100 hours for the season. A good runner-up is Second Mt, and there was a strong surge in coverage for Little Gap. Hawk Mt, Waggoners Gap and Militia Hill provided almost daily listing of results on either Internet Web sites or the HMANA Birdhawk Listserv. Jacks Mt, Stone Mt and McVile compilers also made frequent reports. Altogether, their efforts made it possible to write most of the "Chronology of the Season" as it happened.

In the Species Count below, totals for all of the counts reporting in '98 were compared to totals from last years count minus 2 counts that were not continued this year (WHP Tower and Bald Eagle Mt). These numbers were used to prepare the percentages noted in the next 2 paragraphs. They are presented to provide a quick reference to last year. Once again, a warning: it is likely that many raptors are counted more than once, especially as they move along the ridges. Hours counted vary from year to year, and the weather is an ever-confounding factor. There are a host of variations among the sites. Invariably, we are working with apples and oranges, even though hawks are recorded

under the same watch site names each year. The comparison is a best approximation.

About 83% of the fall flight was composed of 3 hawks: Broad-wing, Sharp-shin and Red-tailed Hawks. Broad-winged Hawks concentrated heavily again at off-ridge sites in southeastern PA, but also moved early on in considerable numbers along the ridges. Their overall gain was 49%. Sharp-shins and Red-tails increased by 29% and 14% respectively.

N. Goshawks decreased by 53%, while Rough-legged Hawks remained the same. The ridge sites broke records in a big way for both eagles and Cooper's Hawks. Both eagles were up by about 10% and the Cooper's Hawks increased by 45%. Harriers increased by 40%. Am. Kestrels gained by 15%, whereas the Merlin and the Peregrine Falcon were greater by less than 0.5%. Red-shouldered Hawks were up by 4% while the Osprey gained only by about 1%.

Black Vultures were running 553 per season four years ago, and their numbers have increased by about 37% to 761 this year, possibly reflecting an expansion of range northward. Turkey Vultures totaled almost 1900 in '94, and their total this year has almost doubled during that interval. There has been an extensive discussion on the Internet among hawk watchers on counting methods and the ambiguities inherent in the counting of vultures. It is problematic, and not too much should be read into these numbers.

Species	Count
Black Vulture	761+
Turkey Vulture	3,601+
Osprey	2,391+
Bald Eagle	559+
N. Harrier	1,539+
Sharp-shinned Hawk	23,050+
Cooper's Hawk	3,475+
N. Goshawk	170-
Red-shouldered Hawk	1,209+
Broad-winged Hawk	49,331+
Red-tailed Hawk	17,846+
Rough-legged Hawk	22
Golden Eagle	671+
A. Kestrel	2,438+
Merlin	396+
Peregrine Falcon	218+

+ increase over last year

- decrease over last year

Chronology of the Season

There was a fairly good flow of seasonal hawks during the latter part of **August**. A cold front on the 18th sent 6 adult Bald Eagles sailing over Hawk Mt on the 19th and a Golden Eagle at Waggoners Gap a day later. A Peregrine Falcon was noted at Hawk Mt on 8/28. A cold front on the 31st produced a day where Sharp-shins far outnumbered Broad-wings at Waggoners Gap.

In **September** a cold front from the north on the 4th produced a good flow of hawks at major watches for 2 days. This was quickly followed by a much stronger front on 9/7, which ushered in fall-like weather, greatly improving total counts in eastern PA for 5 days. Despite hazy warm air, small kettles of Broadwings spread along the eastern ridges and southeastern PA for the next 3 days. The **adult** Bald Eagle dominated the early season flight at all reporting sites. By mid-September there was an above average flow of Ospreys and

Kestrels.

A cold front on 16 **September** produced the Broadwing big day 2 days later at Hawk Mt with nearly 4,000. The Broadwing SEPT project observers recorded almost 23,000 of these birds. In fact, there was a fairly good flow throughout most ridge sites, as well as the non-ridge Allegheny plateau site at the far western edge of PA near McVile. Broadwing numbers dropped almost everywhere the next day. Three eastern watches reported a total of 7 Peregrine Falcons from 9/20-22. The first 2 of these days were warm and humid, but on the 3rd day - the most active - an early morning cold front passed through PA. This was followed by wind on the 23rd, which produced a sharp increase in Broadwings on 9/24 at the off-ridge Militia Hill site. Most of the high Kestrel counts were made at Hawk Mt, but Militia Hill, Jacks Mt, Stone Mt, and Waggoners Gap also had good peak days for these falcons.

Overnight cold fronts on 9/28 and on the first day of **October** produced over 200 sharp-shins each day at Waggoners Gap and a resurgence of Peregrine Falcons, peaking to 14 on the 6th. Both Militia Hill and Waggoners had especially good N. Harrier counts after a string of cold foggy days early this month. A cold front went through on the 10/8, but bad weather delayed the mass movement of Sharp-shins and Cooper's hawks until 10/10-15. Compilers first began to list migrant Turkey Vultures around mid-October. Two cold fronts (10/19 & 22) produced a good flow of the smaller accipiters along the ridge sites, but the numbers of all falcons declined sharply at this time. Red-tails, Red-shoulders and Golden Eagles began to increase sharply at more elevated hawk watches for 2 days after a cold front on the 22nd. A late night cold front on the 28th

initiated a major increase in Red-tails, Red-shoulders, Harriers, and Golden Eagles for 3 days at major ridge sites.

Cold winds persisted for over 2 weeks. Early during this interval compilers concluded that the sources for migrating hawks were tapped out, i.e. temporarily lacking new birds ready for movement. This persisted until 14 **November**, despite a strong cold front on the 11th. Red-tails and N. Harriers made a good show at this time. This persisted for about 5 days. A few cold fronts during the ensuing week energized the flow for a short interval, and then the season tapered off for the remainder of the year with little or no change. It may be of interest that Franklin Mountain in southeastern NY had an amazing 26 Golden Eagles on 11 **December** (a cold front day), but nothing exceptional showed up on any of the counts at Waggoners Gap or Hawk Mt on or around that time.

Abbreviated seasonal highlights follow. Quotes are site compiler's statements.

Allegheny Front - This is the first report in 2 years from the relocated western site on land owned by the Allegheny Plateau Audubon Society. Both days and hours increased substantially, expanding into the August column. The Broadwing flight was down from '96, but much of the flight reflects the overall trends in the rest of the state.

Council Cup - No new records this season. Second highest Broad-winged total.

Hawk Mountain - The 4th highest one-day count for Cooper's Hawks on 10/15. New record highs for Black Vulture, Cooper's Hawk, and both eagles. The number in excess of the old record was rather amazing: Cooper's Hawk (334),

Bald Eagle (18) and Golden Eagle (43). Using a ten-year average comparison, there were also increases in Turkey Vultures, Red-shouldered Hawk, Broad-winged Hawk, Northern Harrier, Merlin, and all falcons. The only hawk that was down was the Northern Goshawk.

Jacks Mountain - Ron Singer noted the lack of young Broadwings at this site. On 9/18 there was an unusually high count of Ospreys (32). A new seasonal record was noted for both vultures, Osprey, N. Harrier, Broad-winged Hawk, and the A. Kestrel. He noted a kettle of Red-tails on 11/14 - "acting just like Broadwings".

Little Gap - The compiling group has given themselves a name: The Little Gap Raptor Research Group. Hours covered increased by 35%. Records were set for Harriers, both eagles, Broad-wings, Red-tails, Red-shoulders, Cooper's Hawks and Kestrels. This group is located on the northernmost edge of (but not included in) the Broadwing SEPT project.

McVile - Mark McConaghy is the former compiler of WHP Tower just north of Harrisburg. He was the sole counter this year. The site is about 40 miles northeast of Pittsburgh. It is a high terrace (covered with mine spoil) along the west side of the Allegheny River 2 miles south of Ford City in Armstrong County. It is located along Rte 128 just north of the McVile Airport. It overlooks a right angle bend in the river. The premise for selecting this site was to determine if the Allegheny River Valley works as a migratory corridor for raptors. The count was quite low, and it is unlikely that he will return to the site next year.

Militia Hill - This year the count ended on 10/31. Even so, a new record was set for N. Harriers.

There were 27 Ospreys on both 9/13 and 10/5. The peak day for Broadwings was 9/13. The seasonal count for these birds was low. A Rough-legged hawk passed on 10/16 and the only N. Goshawk was noted on 10/30.

Rocky Ridge - Vultures continue to appear in erratic numbers at this site. In the past 5 years the total Black Vultures count has varied from 0-147, whereas Turkey Vultures ranged from 75-500, without any directional change in the numbers. For this interval, the '98 count of 125 Black Vulture is high, finally finding inclusion in the August column. Harriers and Red-shouldered Hawks were on the high side in line with the PA trend. Cooper's hawks have maintained an unusually narrow seasonal range during the past 5 years: 25, 26, 24, 31, 26. Broad-winged hawks broke all records.

Second Mountain - New site records for Turkey Vultures, Broad-winged Hawks, and total raptors. All eagles were age determined. Bald Eagles were 9 adults to 16 immatures, whereas the Golden Eagles were 25 adults to 32 immatures. On 9/18 during an interval of 35 minutes, 4,619 hawks came through in four separate flights. All but 19 were Broadwings.

Stone Mountain - There were seasonal high records for N. Harrier, Sharp-shins, Cooper's Hawk, Red-shoulders and the A. Kestrel. Broadwing peak day was 9/15 and seasonal total was second best ever in 8 yrs.

Tuscarora Summit - Dale Gearhart is a new compiler, taking over from Carl Garner. Days and hours were comparable to last year. There was a gain of 8 Bald Eagles but a decrease of 14 Golden Eagles. Compared to '97, Ospreys, Broadwings and Red-tails were substantially down. The Peregrine

Falcon monthly count was exactly the same as last year.

Waggoners Gap - New single record for Peregrine Falcons on 10/6. Seasonal records: Turkey Vultures, both eagles, Cooper's hawks, Red-tailed Hawks.

Broadwing SEPT - South Eastern Pennsylvania Transect. "An intersection line consisting of seven sites in South Eastern PA, centered around Doylestown, PA." This is an extensive volunteer effort directed by Kirk and Lois Moulton.

This year the count ran from 9/13 to 9/24. The peak day was 9/18 - a day later than last year. The total number of Broadwings was 22,777 by the end of six days of counting, substantially more than in '97. Only 589 Broadwings were added during the next 6 days. However, a few days beyond that time, a site called "Backyard Hawkwatch" northeast of Baltimore MD enjoyed a massive flight of Broadwings. Kirk Moulton noted that he did not have spotters in place to track this late movement. Reports from nearby Militia Hill noted a significant movement of Broadwings at that time. The Broadwing total was 26 greater than any other SEPT count. The count of Osprey and Bald Eagle were record-breaking. The Bald Eagle age distribution was 24 adults, 33 immature, and 6 unknown.

Again, I thank all of the compilers, and the many dedicated and talented hawk watch participants, who helped document the flow of this unique season. Special thanks to Frank and Barb Haas for their support and the opportunity to serve as hawk watch editor for the past 4 years.

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Roost Exiting of Chimney Swifts

By Michael Guenther

During migration, chimney swifts roost in large chimneys. "Often thousands use a single chimney. A gathering flock as it swirls in circles over the chimney is a remarkable sight. Toward dark they begin dropping in, and a whole flock may disappear in a few minutes." (Pough 1946) I have read detailed descriptions, similar to the previous quote, on how Chimney Swifts (*Chaetura pelagica*) enter their roost, but I have not found any information on how swifts exit their roost. The purpose of this article is to describe the behavior of Chimney Swifts exiting their roost.

The Chimney Swift roost that I observed in the fall of 1998 was located in an office building at the corner of Broad and Ontario Streets in North Philadelphia. The chimney dimensions are 58 feet x 3 feet x 3 feet. The chimney extends about 3 feet above the roof. There is a television antenna with horizontal rods on one side of the chimney that does not appear to affect the birds. I observed the birds exiting the roost on three different occasions. On 24 September at 3:45 PM, 200 birds exited the roost. I did not record the time it took the birds to exit. On 2 October at 3:15 PM, 540 birds exited the roost. It took the birds seven minutes to exit. On 8 October at 7:20 AM, 1146 birds exited the roost. It took the birds 15 minutes to exit the roost. Based on the second two observations, an average of 76-77 birds exited per minute.

The action of the swifts leaving the roost reminds me of an overflowing glass of water. The swifts rose out of the chimney, usually 4-5 at a time. The birds that left the chimney on the side that faces the roof flew up and over the edge of the chimney and then down to the rooftop before flying off. The birds that left the chimney on the side that faced away from the building flew up and over the edge of the chimney but then dropped about 14-16 feet below the plane of the roof before flying off. It is not clear why the birds would leave the chimney in this "spilling over" manner rather than directly flying up. Could this be a defensive posture against potential predators? Or could this better help the birds gain altitude during flight? After taking to the air, approximately 20 swifts stayed in the area of the roost while the rest of the birds dispersed.

I hope that this article provides some detailed insight into a seldom-observed behavior of one of our familiar migratory birds.

I would like to thank Frank Hohenleitner for assistance in preparing this article.

Reference:

Pough, R. H. 1946. Audubon Land Bird Guide. Doubleday & Company, p. 30

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ALLEGHENY FRONT (BEDFORD)
Ruth Sager, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
Coverage - days	10	29	31	27	4	101
Coverage - hours	59	210	220	158	17	664
Black Vulture	-	1	3	-	-	4
Turkey Vulture	-	-	301	17	-	318
Osprey	-	48	13	-	-	61
Bald Eagle	-	6	6	1	-	13
N. Harrier	-	14	45	11	-	70
Sharp-shinned Hawk	8	188	583	30	-	809
Cooper's Hawk	5	31	173	17	-	226
Northern Goshawk	-	-	6	1	-	7
Red-shouldered Hawk	-	2	21	21	-	48
Broad-winged Hawk	29	603	-	-	-	632
Red-tailed Hawk	6	38	706	427	11	1,188
Rough-legged Hawk	-	-	1	3	-	4
Golden Eagle	-	-	28	30	-	59
Am. Kestrel	3	24	12	-	-	39
Merlin	-	6	33	1	-	40
Peregrine Falcon	-	3	6	-	-	9
Unidentified	7	29	131	46	14	215
Totals	58	993	2,092	611	14	3,768

Hawk watch is on private land. Anyone who would like to visit this site should call Tom Dick at 814 754 5227.

COUNCIL CUP (LUZERNE)
Rick Koval, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
Coverage - days	8	21	24	24	2	66
Coverage - hours	29	83	90	23	4	227
Black Vulture	-	1	-	-	-	1
Turkey Vulture	-	15	309	7	-	331
Osprey	5	37	16	1	-	59
Bald Eagle	7	23	15	3	-	48
N. Harrier	3	8	15	3	1	30
Sharp-shinned Hawk	5	128	194	7	1	335
Cooper's Hawk	1	5	21	1	-	28
N. Goshawk	-	-	-	1	-	1
Red-shouldered Hawk	-	-	11	1	-	12
Broad-winged Hawk	21	2,741	-	-	-	2,762
Red-tailed Hawk	3	10	526	132	3	674
Golden Eagle	-	-	2	-	-	2
Am. Kestrel	2	50	28	-	-	80
Merlin	-	2	5	-	-	7
Peregrine Falcon	-	1	2	-	-	3
Unidentified	-	47	18	3	-	68
Totals	47	3,068	1,162	159	5	4,441

HAWK MT. SANCTUARY (BERKS)
Laurie Goodrich and HMS Staff

	Jul/ Aug	Dec/ Sep	Oct	Nov	Jan	Totals
Coverage - days	21	29	30	29	17	126
Coverage - hours	161	317	291	251	125	1,145
Black Vulture	4	2	11	35	3	55
Turkey Vulture	-	7	128	76	9	220
Osprey	36	433	149	1	-	619
Bald Eagle	13	82	36	16	14	161
N. Harrier	6	104	139	49	7	305
Sharp-shinned Hawk	49	1,391	4,164	227	4	5,835
Cooper's Hawk	18	150	915	32	6	1,121
N. Goshawk	1	-	16	15	5	37
Red-shouldered Hawk	6	2	246	106	9	369
Broad-winged Hawk	115	9,797	23	-	-	9,935
Red-tailed Hawk	13	84	1,907	1,980	344	4,328
Rough-legged Hawk	-	-	2	3	1	6
Golden Eagle	-	1	78	53	14	146
Am. Kestrel	69	537	192	-	-	798
Merlin	1	49	96	2	-	148
Peregrine Falcon	1	20	33	1	-	55
Unidentified	7	32	48	14	-	101
Totals	339	12,691	8,183	2,610	416	24,239

JACKS MOUNTAIN (MIFFLIN)
Ronald Singer, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
Coverage - days	4	20	24	9	1	70
Coverage - hours	10	101	116	43	6	370
Black Vulture	3	53	92	37	-	220
Turkey Vulture	-	5	264	48	-	374
Osprey	1	44	18	-	-	116
Bald Eagle	2	30	-	-	-	19
N. Harrier	1	8	28	11	-	106
Sharp-shinned Hawk	4	117	371	8	-	604
Cooper's Hawk	-	14	40	1	-	63
N. Goshawk	-	-	6	1	-	4
Red-shouldered Hawk	-	-	7	3	-	11
Broad-winged Hawk	1	1,191	5	-	-	1,447
Red-tailed Hawk	7	100	641	232	5	759
Golden Eagle	-	-	15	8	-	32
Am. Kestrel	1	33	31	1	-	145
Merlin	-	2	4	-	-	7
Peregrine Falcon	-	-	5	1	-	5
Unidentified	-	13	10	2	-	9
Totals	20	1,610	1,537	355	5	3,921

LITTLE GAP(NORTHAMPTON)
Michael Schall, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage days</i>	18	26	30	27	10	111
<i>Coverage hours</i>	94	203	235	185	52	769
Black Vulture	-	-	9	4	9	22
Turkey Vulture	-	-	72	8	1	81
Osprey	25	319	106	-	-	450
Bald Eagle	11	49	18	4	4	86
N. Harrier	2	70	90	31	4	197
Sharp-shinned Hawk	25	765	2,824	145	5	3,764
Cooper's Hawk	6	72	379	27	-	484
N. Goshawk	-	-	5	11	-	16
Red-shouldered Hawk	-	7	86	34	3	130
Broad-winged Hawk	44	9,729	9	-	-	9,782
Red-tailed Hawk	16	94	1,367	1,464	64	3,005
Rough-legged Hawk	-	-	1	-	-	1
Golden Eagle	-	1	54	31	1	87
Am. Kestrel	27	233	56	2	-	318
Merlin	1	16	28	4	1	50
Peregrine Falcon	-	13	20	-	-	33
Unidentified	3	45	77	29	-	154
Totals	160	11,413	5,201	1,794	92	18,660

Sponsored by the Little Gap Raptor Research Group. The data is compiled from lookout watches with secondary coverage/support from the banding stations. Special thanks to Adam Miller.

McVILLE (ARMSTRONG)
Mark McConaughy, Compiler

	Aug	Sep	Oct	Nov	Totals
<i>Coverage - days</i>	6	16	4	-	26
<i>Coverage - hours</i>	43	113	42	-	198
Turkey Vulture	-	48	1	1	50
Osprey	5	12	3	-	20
Bald Eagle	-	2	-	2	4
N. Harrier	-	-	1	-	1
Sharp-shinned Hawk	1	30	4	1	37
Cooper's Hawk	-	9	2	-	11
Broad-winged Hawk	4	118	-	-	122
Red-tailed Hawk	-	49	12	23	84
Am. Kestrel	-	3	3	-	6
Merlin	-	-	1	-	1
Unidentified	-	3	5	1	9
Totals	10	274	32	29	345

MILITIA HILL (MONTGOMERY)
Marylea Klauder, Compiler

	Aug	Sep	Oct	Nov	Totals
<i>Coverage - days</i>	-	30	31	-	61
<i>Coverage - hours</i>	-	234	237	-	471
Black Vulture	-	13	14	-	27
Turkey Vulture	-	-	187	-	187
Osprey	-	172	75	-	247
Bald Eagle	-	22	2	-	24
N. Harrier	-	44	59	-	103
Sharp-shinned Hawk	-	240	540	-	780
Cooper's Hawk	-	39	73	-	112
N. Goshawk	-	-	1	-	1
Red-shouldered Hawk	-	10	37	-	47
Broad-winged Hawk	-	3,191	107	-	3,298
Red-tailed Hawk	-	17	204	-	221
Rough-legged Hawk	-	-	1	-	1
Am. Kestrel	-	187	104	-	291
Merlin	-	13	9	-	22
Peregrine Falcon	-	6	8	-	14
Unidentified	-	30	45	-	75
Totals	-	3,984	1,466	-	5,450

ROCKY RIDGE (YORK)
Randy Phillips and David Wildasin, Compilers

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	6	20	13	7	1	47
<i>Coverage - hours</i>	15	83	33	60	2	193
Black Vulture	12	12	41	60	-	125
Turkey Vulture	-	-	-	38	-	38
Osprey	-	7	30	10	-	47
Bald Eagle	-	1	19	3	-	23
N. Harrier	-	20	13	7	-	40
Sharp-shinned Hawk	7	184	183	32	-	406
Cooper's Hawk	2	7	15	2	-	26
Northern Goshawk	-	-	1	1	-	2
Red-shouldered Hawk	-	-	4	19	-	23
Broad-winged Hawk	6	6,045	1	-	-	6,052
Red-tailed Hawk	3	20	124	75	3	225
Am. Kestrel	2	28	9	1	-	40
Merlin	-	-	3	-	-	3
Peregrine Falcon	-	2	1	-	-	3
Unidentified	1	2	-	2	-	5
Totals	33	6,328	444	250	3	7,058

SECOND MOUNTAIN (LEBANON)
Dave Schwenk, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	12	30	28	29	22	121
<i>Coverage - hours</i>	70	258	251	223	109	911
Black Vulture	-	4	40	87	39	170
Turkey Vulture	-	-	294	202	11	507
Osprey	5	99	37	-	-	141
Bald Eagle	-	11	12	2	-	25
N. Harrier	1	36	85	29	-	151
Sharp-shinned Hawk	14	558	1,441	72	1	2,086
Cooper's Hawk	2	47	187	12	-	248
N. Goshawk	-	-	31	9	-	40
Red-shouldered Hawk	2	5	123	34	5	169
Broad-winged Hawk	16	7,785	6	-	-	7,807
Red-tailed Hawk	11	82	573	736	69	1,471
Rough-legged Hawk	-	-	1	-	1	2
Golden Eagle	1	3	27	23	3	57
Am. Kestrel	6	103	32	1	-	142
Merlin	-	13	20	1	-	34
Peregrine Falcon	-	5	13	-	-	18
Unidentified	-	14	11	9	-	34
Totals	58	8,765	2,933	1,217	129	13,102

STONE MOUNTAIN (HUNTINGDON)
Greg Grove, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	8	26	25	15	2	76
<i>Coverage - hours</i>	18	138	145	71	5	377
Black Vulture	-	-	48	7	-	55
Turkey Vulture	-	-	280	19	-	299
Osprey	2	77	12	1	-	92
Bald Eagle	1	8	3	1	-	13
N. Harrier	3	28	43	24	-	98
Sharp-shinned Hawk	13	229	707	28	-	977
Cooper's Hawk	2	29	107	5	-	143
N. Goshawk	-	1	5	-	-	6
Red-shouldered Hawk	-	2	56	12	-	70
Broad-winged Hawk	20	1,114	-	-	-	1,134
Red-tailed Hawk	-	67	567	238	1	873
Rough-legged Hawk	-	-	1	-	-	1
Golden Eagle	-	-	11	38	1	50
Am. Kestrel	1	117	61	-	-	179
Merlin	-	10	15	-	-	25
Peregrine Falcon	-	-	15	-	-	15
Unidentified	-	13	21	9	-	43
Totals	42	1,695	1,952	382	2	4,073

TUSCARORA SUMMIT (FULTON)
Dale Gearhart, Compiler

	Aug	Sep	Oct	Nov	Totals
<i>Coverage - days</i>	1	26	25	23	75
<i>Coverage - hours</i>	3	161	126	108	398
Black Vulture	-	2	4	26	32
Turkey Vulture	-	-	65	81	146
Osprey	1	62	10	-	73
Bald Eagle	1	29	1	1	32
N. Harrier	-	24	30	18	72
Sharp-shinned Hawk	-	344	521	16	881
Cooper's Hawk	-	21	56	3	80
N. Goshawk	-	2	5	2	9
Red-shouldered Hawk	-	5	14	13	32
Broad-winged Hawk	1	1,675	1	-	1,677
Red-tailed Hawk	-	21	176	236	433
Golden Eagle	-	-	9	24	33
Am. Kestrel	-	37	9	-	46
Merlin	-	2	4	1	7
Peregrine Falcon	-	3	6	-	9
Unidentified	-	25	10	7	42
Totals	3	2,252	921	428	3,604

WAGGONERS GAP (CUMBERLAND)
Dave Grove, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	29	30	30	29	14	132
<i>Coverage - hours</i>	195	283	277	252	108	1,115
Black Vulture	-	-	20	24	6	50
Turkey Vulture	-	-	587	259	204	1,050
Osprey	49	329	87	1	-	466
Bald Eagle	14	60	24	8	5	111
N. Harrier	10	110	166	78	2	366
Sharp-shinned Hawk	110	1,804	4,463	148	11	6,536
Cooper's Hawk	17	124	743	47	2	933
N. Goshawk	-	1	15	23	8	47
Red-shouldered Hawk	1	5	207	81	4	298
Broad-winged Hawk	191	4,487	5	-	-	4,683
Red-tailed Hawk	38	153	1,741	2,359	294	4,585
Rough-legged Hawk	-	-	-	6	1	7
Golden Eagle	1	-	99	85	20	205
Am. Kestrel	57	217	80	-	-	354
Merlin	-	17	31	3	1	52
Peregrine Falcon	1	6	47	-	-	54
Unidentified	6	30	61	27	7	131
Totals	495	7,343	8,376	3,149	565	19,928

Site Guide to Piney Tract and Curlsville Areas in Clarion County

by John G. Fedak

These large reclaimed strip-mine tracts make some of the best grassland birding habitat in the state, regardless of the season. Grassland birds are abundant breeders here. Grassland sparrows, passerines, and raptors all can be located here during the proper seasons. The area is still accessible on foot — please help us keep it that way. Working from north to south, to get to Piney Tract, take Exit 7 (Knox) off Interstate 80. Go south 2.9 miles to Elliot Road. This road is dirt and starts where the paved road (Rt 3007) makes a sharp right hand turn. Follow Elliot Road until it crests a hill with grassland visible. Wherever there are areas of grass present, there will also be grassland birds. **Bobolinks, Killdeer, Henslow's Sparrows, Grasshopper Sparrows, Savannah Sparrows, and Vesper Sparrows** are abundant on the Piney Tract. **Red-tailed Hawks, American Kestrels, and Northern Harriers** also hunt and breed here. Drive slowly, stop, get out and walk around. You will see and hear birds. As you continue on, Elliot Road will then intersect with another dirt road. This intersection is **Area 1** on the map.

There is a wet area in the fields due south of the intersection with some cattails present. It is in this area during the breeding season that you have the best chance to locate **Upland Sandpiper**. Sandpipers have been found during most of the Grassland Breeding Bird Census Years at this spot. One year 4 young were even observed. Early morning is the best time to locate this bird. It is usually located by its haunting wolf whistle. Early in spring, **American Woodcock** can be heard displaying and **Ring-necked Pheasants** can

be heard crowing. **Red-winged Blackbirds** nest in the cattails. **Eastern Bluebirds** can be seen all summer. In migration, rails have been found in these and other cattails on the tract. In the winter, this is the best area to locate **Northern Shrike**. It seems at least one shows up each year, some years there are two. Search the power-lines as well as the tops of locusts, multiflora rosebushes and pines. Although there are few records for mockingbirds in the county, be careful, this is also an area where **Northern Mockingbirds** have been seen.

At the intersection, turn right and continue on. The low pines on the left are a good spot to locate **Vesper Sparrows** and **Prairie Warblers**. The road becomes paved, crests a hill and curves to the right. In the winter, this is a good spot to search for **Rough-legged Hawks**. During the breeding season, this is a good area for **Bobolinks**. Continue on until the intersection with Hodil Road (TR 376). Turn left and proceed 0.5 miles up the hill. You have entered a pine plantation, **Area 2**. Red Pine, Larch and other conifers have been planted here during strip mine reclamation. In the winter, walk the trail that heads east into the plantation. **Long-eared Owls** have roosted here, **Pine Siskins** and **Common Redpolls** forage in this area during some winters. In 1997 - 1998, 2 **Hoary Redpolls** were sighted among the large redpoll flocks. During migration and in the summer, warblers and other songbirds use this patch. **Ruffed Grouse** will be heard drumming or will startle you as you spook them into flight. Retrace your path to the intersection with Elliot Road.

Head east for 0.4 miles from

Elliot Road until you crest the hill and come to a gate on both sides of the dirt road. This is **Area 3**. The pines to the north hold **Vesper Sparrow, Prairie Warbler** and other songbirds during breeding season. Twice, this area has hosted breeding **Short-eared Owls**. **Dicksissels** have also bred here. **Northern Harriers** breed in the grassy areas between the pines. **Savannah** and **Grasshopper Sparrows** buzz all through the summer and "TSLICK" (**Henslow's Sparrow**) is a common song. **Horned Larks** breed here (but not as commonly in recent years). In the winter, these pines hold roosting **Short-eared** and **Long-eared Owls, Northern Harriers**, and other raptors. (Feel free to walk among the pines or along the trail that heads north, I have been waiting to find roosting **Northern Saw-whet** or **Barn Owls** here!) **Dark-eyed Juncos, American Tree Sparrows**, and other passerines can be observed foraging among the pines or along the road. **Snow Buntings** have been seen here on the road and passing over in flight. **Fox Sparrows, Lincoln's Sparrows** and other passerines can be observed during migration.

The trail that heads south and up the hill goes one way approximately two miles (see map). It is mostly flat and easy walking. Close views of birds can be obtained from hiking this trail. Approximately 0.5 miles up the trail you will pass through some locust and into a small pine plantation. This is **Area 4**. **Prairie Warblers, Vesper Sparrow, Indigo Bunting** and **Chipping Sparrows** abound here. During the 1998 breeding season, two **Clay-colored Sparrows** were located here and breeding may

have occurred. **Northern Harriers** are frequently seen hunting the fields and the forested 'bowl' to the west holds other forest birds. Ponds and wet areas have held breeding geese and ducks. At approximately 1 mile, the trail turns east and then northeast. Cattails here hold breeding **Red-winged Blackbirds** and **Swamp Sparrows**. **Rails** have been noted in migration along with other migrating species such as **Marsh Wren**. **Killdeer** breed along the trail and on bare areas in the fields. **Woodcock** can be observed in spring and **Wood Ducks** have been reported feeding here and breeding along Anderson Run to the East. From here you can go back or continue until the trail joins the road again. Either way, if you haven't found **Ring-necked Pheasant** or **Wild Turkey** yet, you have a chance of finding them along the trail. The Aspen groves along parts of the trail are good for **Eastern Kingbird**, other passerines and woodpeckers.

From back at the gate, head east. A dirt road goes north to a section of deciduous woods that contains many birds during appropriate seasons. It is best to park here and walk to the woods if that is your intention. Just past this road and on the same side is a large multiflora rose bush that the **Northern Shrike** seems to enjoy roosting in during the winter. About 0.6 miles east, the dirt road intersects with Limestone Lane - also dirt. Turn right. The road passes by brush, pines, and deciduous forest. **Ovenbirds**, other warblers, and passerines can be found here in breeding season and migration. **Eastern Screech Owls** can be heard whinnying at night in the hollows. This is a good place to find **Sharp-shinned** or **Cooper's Hawk** (even **Red-shouldered Hawk** in migration!). **Merlins** have been noted through this area hunting and large flocks of migrants use the thickets to feed and roost. **Rusty Blackbirds** are found in the wetter areas during

migration. After about a mile is **Area 6**. This is a large area of cattails that holds **Swamp Sparrow** and occasionally a **Carolina Wren**. In migration, waterthrushes and other migrants may be found here. **Olive-sided Flycatchers** have been seen perched in the snags to the west during migration.

At 1.4 miles, turn left and follow the road about 1.2 miles. Larches, aspen and birch provide food and shelter for a number of breeding birds along this road. **Great Horned Owls** nest in the wooded gullies along the north side of the road. In winter, **Northern Shrike**, **Pine Siskins**, **Common Redpolls**, **American Tree Sparrows**, and **Dark-eyed Juncos** have been observed. At 1.2 miles, turn left onto Stockdill Road. Travel about 0.6 miles and walk through the grass to the west. This is **Area 7**. **Short-eared owls** bred here in 1997. Grassland sparrows and **Bobolinks** are abundant here. Northern harriers also can be found. During the winter **Horned Larks**, **Snow Buntings** and **Lapland Longspurs** have been found here.

Turn around and head back to Limestone Lane. Turn left and travel through the conifers. Some rarities have been seen here during migration and in the stands of larches and pines just south of here. **Orange-crowned Warbler** and **Townsend's Solitaire** have been found in these areas. **Chipping Sparrows**, **Song Sparrows**, and thrushes can be found here. This is **Area 8**. This area attracts lots of migrants. **American Robins** in large flocks congregate here. **Cedar Waxwings** and mixed flocks of warblers seem to use this area. Continue down Limestone Lane until you reach State Route 58. You are now leaving Piney Tract.

To complete your tour, turn Left on SR 58 and go into the town of Sligo. Go south on State Route 68 for 2.9 miles. At the George Farms

Inc. sign, turn left onto Township Road 2011. At 0.6 miles turn right at the red barn. At 0.4 miles, continue straight onto a dirt road where the paved road makes a sharp right hand turn. Go 0.5 miles to the top of the hill. This is **Area 9**, the Curlsville site. You will look out onto a large grassland. All of the grassland species seen at Piney Tract can be found here. Some of area is mown for hay. Feel free to walk around. To the southeast you will see a small pond. Some waterfowl and waterbirds use this pond. In 1998, 130 **Blue-wing Teal** set down with 1 eclipse male **Cinnamon Teal**. **Short-eared Owls** have bred here, **Northern Harriers** do breed here. In the winter, **Rough-legged Hawks** and **Northern Shrike** have been found. This may be the next area to turn up a rare sparrow as many sparrow use the area in migration.

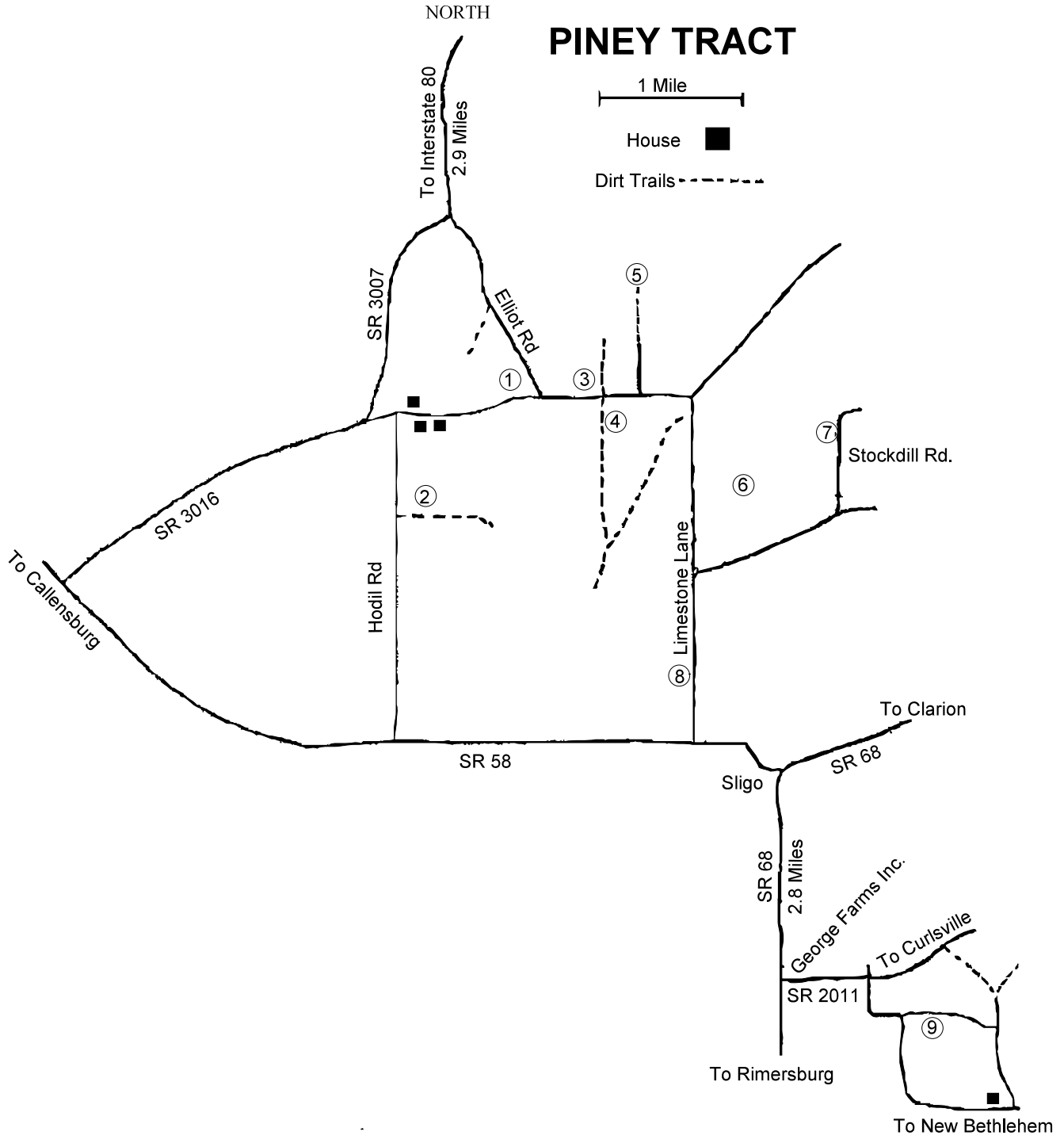
Piney Tract and Curlsville are unique and important areas. Piney Tract is both an Important Bird Area and a Special Areas Project. Please keep track of your species, numbers and breeding activity and report it to the county compiler. If you visit the area, feel free to walk and bird, but please help us keep the area open by picking up trash and not blocking roads and trails. Enjoy your visit and good birding!

Acknowledgments:

I wish to thank Margaret Buckwalter. She has struggled to have Piney Tract listed as an Important Bird Area (and succeeded!) and also convinced me to compile it as a Special Areas Project. She was also invaluable in helping me complete this guide. I also would like to extend my gratitude to one of my sophomore biology students, Chris Callenburg, for his help in producing the map of the Piney Tract/Curlsville areas.

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PINEY TRACT



Notes on the Physical Characteristics and Behavior of Peregrine Falcons (*Falco peregrinus*) in the Wyoming Valley, Luzerne County, Pennsylvania

Robert L. Wasilewski

In the winter of 1997-98, peregrine falcons (*Falco peregrinus*) were sighted in the Wyoming Valley Area of Luzerne County, Pennsylvania. Subsequent sightings and observations during the spring of 1998 indicated that a pair of falcons had established residence in the area of the North Cross Valley Expressway (PA Route 309) bridge that spans the Susquehanna River between Plains and Forty Fort, PA. Information from leg bands facilitated the determination of both falcons' origins. The male had been banded in Williamsport, PA in 1996, and the female had been banded in 1997 at a nest on the Fairlee Palisades, a ledge overlooking the Connecticut River in Vermont (D. Brauning, pers. comm.). Due to the female's age, no eggs were produced during the 1998 breeding season.

Distinguishing Physical and Behavioral Characteristics

Female raptors; tend to be 30-40% larger than males of the same species. However, size differences between birds that are perched at varying observation distances may not be apparent. Size estimates may also be unreliable when only one member of the pair is present. Hence, other distinguishing characteristics were used in differentiating between the male and female peregrines. Plumage characteristics initially identified the male as an adult, whereas the female was determined to be immature. Although captive breeding programs have resulted in birds of mixed subspecies genetic stock, the

male falcon appears to exhibit plumage characteristics of *F. p. tundrius* while the female's plumage is more characteristic of *F. p. anatum* (National Geographic Society, 1987). These subspecies differences became valuable distinguishing characteristics as the female acquired adult plumage. By August, her back was a uniform slate-gray similar to the male's. However, her buff-colored breast contrasted with the male's whiter underparts, thereby facilitating rapid identification.

Behaviorally, vocalizations could frequently be used to distinguish the male from the female falcon, with the female being much more vocal than the male during the breeding season. However, by the end of the breeding season, the male had become the more vocal member of the pair. Also during the breeding season, the male appeared to spend more time preening than the female. This situation eventually changed, with both falcons preening for similar amounts of time as the summer wore on. An interesting behavioral difference worth noting is that the city-bred male has consistently been relatively tolerant of human presence. He often perched within 125ft (38m), and sometimes within 30ft (9.0m) of the observer. In contrast, the female rarely approached more closely than 375ft (114m) during June and July, and she sometimes appeared to be preoccupied with watching the observer and/or other people in the vicinity. However, by August the female had begun to show signs of becoming accustomed to the observer's presence and perhaps of

no longer perceiving him as a threat. On one occasion in early August she perched within 125ft (38m) for 22 minutes.

Breeding Territory

The peregrine falcons were most frequently observed perching on the piers of the North Cross Valley Expressway bridge over the Susquehanna River. However, they were also observed perching in trees, and on stumps and snags, as well as on gravel/cobble bars and island shorelines near the bridge when the river stage was relatively low. These shoreline areas were also used for bathing and loafing. Although the birds were not believed to be breeding, a variety of behaviors suggested that they had chosen the bridge as their nest site. Peregrine falcons do not construct an elaborate stick nest as do many other species. Instead, they simply scrape out a depression in which they lay and incubate their eggs. Both falcons exhibited nest-construction activity such as scraping the ledge of Pier #8 (STA. 157+87.00 M.L.) (PADOT, 1973) beneath the northbound lane (W.B. Traffic Flow), and both birds were observed squatting, although briefly each time, in a particular location as though settling down on a nest. However, there was no indication that eggs or young were present since neither falcon spent a substantial amount of time in an incubation position. In addition, both birds were occasionally absent from the suspected nest site for relatively long periods of time. Pier #8 was subsequently confirmed as a nest site, containing neither eggs nor young, upon inspection by

officials from the United States Fish and Wildlife Service, the Pennsylvania Game Commission, and the Pennsylvania Department of Transportation.

Further behavioral evidence for the Cross Valley bridge serving as the focus of the breeding territory was provided by the falcons' defense of the area. In June, the male falcon was reported to have harassed a turkey vulture (*Cathartes aura*) that soared near the bridge (W. Reid, pers. com.), and on another occasion during that same month, the male called in response to a turkey vulture flying upstream above the bridge. In mid-June, the female attacked an immature bald eagle (*Haliaeetus leucocephalus*) that attempted to fly downstream toward the bridge, and both birds vigorously defended Pier #8 during the inspection for a nest site later that month.

The peregrines continued to behave territorially into July and August. In early July, the male was observed chasing crows (*Corvus brachyrhynchos*) in the vicinity of the Cross Valley bridge, and in late August, both falcons were observed attacking an immature bald eagle near a railroad bridge downstream from the Cross Valley bridge. Also in late August, one of the falcons attacked an osprey (*Pandion haliaetus*) that had perched on a snag near the Cross Valley bridge. However, the attacker retreated to the bridge fairly quickly, and the osprey was allowed to fly downstream without being further harassed. By early September the falcons appeared to have stopped harassing ospreys that migrated and/or fished along the river corridor.

Hunting Territory

The peregrines frequently hunted from the Cross Valley bridge by taking advantage of the high perches and the unobstructed view afforded by the structure. The

male peregrine hunted successfully from the bridge on several occasions. On one of these, he captured a large, unidentified species of flying insect, which he presented to the female. On a second occasion, he captured and consumed an unidentified species of bat. In both of these instances, the male attacked from the bridge by gliding from his perch and striking his prey, thereby knocking it into the river. The male then retrieved his prey from the water. A third observed hunting expedition saw the male apparently stalking, and then pouncing on, a starling-sized passerine that may have been nesting on a bridge beam. The male was also observed pursuing, without capturing, a yellow warbler (*Dendroica petechia*) and a red-winged blackbird (*Agelaius phoeniceus*) in the vicinity of the Cross Valley bridge, and both falcons were seen attacking ducks as they swam in the river.

Hunting also occurred away from the nest area. Although the exact locations could not be determined, the male falcon was sighted perching on a ledge of the Mellon Bank building on Franklin Street in downtown Wilkes-Barre, approximately 1.5 miles (2.2km) from the nest site. Other reports indicated that the falcons may be perching on, and hunting from, other tall buildings in the vicinity of Wilkes-Barre's Public Square (J. Shoemaker, pers. comm.). Since both birds were observed carrying rock doves (*Columba livia*) back to the bridge, they appeared to be hunting successfully in urban areas of the Wyoming Valley.

After a successful hunt, the male would often present his prey to the female, as in the case of the above-noted insect. The female, by contrast, was usually less willing to share. On one occasion, after approaching the female very slowly and very carefully, the male persuaded the female to abandon the prey item long enough to allow

him a small portion. On another occasion, however, the female refused to relinquish her meal, twice flying off with the carcass after her defense of it with spread wings and spread tail failed to deter her mate.

Prey species varied, and in addition to those previously noted, prey items appeared to include both birds and mammals. Participants in the 1998 North American Migration Count reported observing the male falcon delivering a male Baltimore oriole (*Icterus galbula*) to the female falcon (J. Shoemaker, pers. comm.). Although observation distances usually made determining prey species difficult, avian prey items could be distinguished from mammals by the falcons' plucking of feathers before consuming birds. If no feathers could be seen during prey consumption, the prey item was assumed to be a mammal. Prey items were sometimes cached on bridge beams. On at least one occasion, the male falcon was observed retrieving a cached food item for the female falcon.

Future Conservation Efforts

The peregrine falcon has benefitted enormously from the protection afforded by the Endangered Species Act (ESA) as evidenced by its increasing numbers after having vanished from its eastern range by the early 1960s. Recently, the peregrine was recommended for de-listing as a federally endangered species. While such delisting may be perceived as a tribute to the success of the ESA, Pagel and others (1996) and Pagel and Bell (1997) have suggested that, based upon a lack of reliable data that have been subjected to rigorous statistical analyses and reported in peer-reviewed journals, down-listing would be a more prudent course of action at the present time. Proponents of de-listing argue that sufficient data

exist to warrant delisting, and point out that de-listing the peregrine falcon would free up scarce funds for species whose continued survival seems less assured (Cade and others, 1997). It has also been suggested that proposals to de-list the peregrine falcon may be politically motivated.

Although the evidence for the peregrine's success cannot be denied, the argument for de-listing in order to channel scarce funds to other species should be approached cautiously. The ESA historically has suffered from inadequate funding of recovery programs. Given the recent Congressional attempts to weaken the ESA by declaring a moratorium on the listing of new species, and given the current political climate in the country, skeptics of de-listing may be justified in suggesting that changing the status of species such as the peregrine falcon will simply give ESA opponents reasons to further reduce funding for recovery efforts for other species. Those members of the scientific community who possess the requisite knowledge and expertise must participate in the debate over de-listing, and those who share an interest in the peregrine's well-being must closely follow the debate. It's taken nearly forty years to return peregrines to Luzerne County. It would be tragic if this species vanishes for another forty years.

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Summary of the Season - October through December 1998

The average number of species reported in the fourth quarter during the last six years is 262. This year the total was only 245! Where were all the birds? Although the list of rarities for this year grew, the overall variety was down.

Unusual waterfowl were few and far between. Unlike the past few years (which recorded Eared Grebe, Pacific Loon, Barrow's Goldeneye, Eurasian Wigeon, etc.), this year was relatively lackluster except for the following.

A **Pink-footed Goose** was reported from *Bucks*. This is becoming an annual species! **Ross' Goose**, which is an annual species, was reported from *Bucks* and *Lancaster*. A **Harlequin Duck** remained long enough at *Erie* for many observers to add it to their state list.

Shorebird reports were mostly unremarkable, but the **American Avocets** that hung around in *Crawford* until 11/26 may have set a new late date for this species. Although they are almost annual in *Erie*, **Purple Sandpipers** only show up on one (sometimes two) days. This makes finding them a real shot in the dark, so this year's two records were noteworthy.

Jerry McWilliams' ceaseless efforts at recording the migration along the Lake Erie shore have produced a lot of outstanding records and added considerably to our knowledge of this avian passageway. Rather than just recording birds sitting in the bay, he has spent countless hours counting the birds flying by just off shore. This can be a boring and thankless task — how many of you could sit and count endless streams of Ring-billed Gulls or Common Loons? But his efforts have

produced a much better picture of the birdlife using this route. It has revealed that many more rarities pass by Presque Isle than stop there. **Franklin's Gulls** are a case in point. An impressive 6 birds were recorded flying by.

Jaegers are another group that rarely stop at Presque Isle, but Jerry's shoreline watch has added records each year. This quarter he had one **Parasitic Jaeger** and one he couldn't identify to species.

Most birders want to check an area out and get on to the next. But at Presque Isle, patience can be very rewarding (although it can also be a total bust!) So, the next time you are at Presque Isle, try sitting and watching.

Little Gulls showed up in *Erie* and *Lancaster*, and **Black-headed Gull** was reported from *Butler* and *Lancaster*. This species is also becoming an annual in the state.

The only **Snowy Owl** report came from *Carbon*. When are we going to get another invasion?

Rufous Hummingbirds were reported from *Allegheny*, *Berks*, and *Westmoreland*. The *Westmoreland* bird was the same one caught and banded last year. This, combined with the increasing number of records throughout the state, shows that this species is not just "accidental" in the state, but regularly migrates through (and winters) here.

What we don't understand is why no other hummingbird species have been found yet in the state. With all of the feeders up and people paying attention, surely a Black-chinned or Allen's, or Anna's would be noticed! The southeastern portion of the country is recording

an ever increasing variety of wintering hummingbirds. It is unclear as to the route these birds are taking to get from the west to the east, but we would not be surprised if many of them were passing through our state. Let's find them!

The **Western Kingbird** in *Clarion* was probably the same bird reported last quarter. A **Sedge Wren** in *Bucks* was a good find, as was the **Townsend's Solitaire** in *Clarion*.

The best bird of the quarter may have been the **Black-throated Gray Warbler** in *York*, which was the second record in three years (Dec 96). However, this bird did not stay very long.

A **LeConte's Sparrow** in *Juniata* was exceptional, while the **Nelson's Sharp-tailed Sparrows** in *Bucks* and *Mercer* were unexpected, unlike the ones found in *Lancaster*.

A **Painted Bunting** in *Bucks* added to the growing list of records for this species.

Except for 4 **Red Crossbills** (*Berks/Schuylkill* and *Lebanon*) and 3 **Common Redpoll** (*Mifflin*), winter finches were non-existent.

There were **245** species reported this quarter— way down from the **261** reported in the same quarter last year. We received partial or complete reports from **54** counties.

Thanks again to our hard-working county compilers! ♣

Frank & Barb Haas

Birds of Note - October through December 1998

(Species not expected or reported in fewer than five counties this period)

Rare and unusual sightings for which details have been submitted will be reviewed by the Pennsylvania Ornithological Records Committee. "No details" means no description of the bird was submitted.

- Red-necked Grebe** - *Chester*: 1 on 11/5-11 at Struble Lake (Grier Saunders, Beryl & Phyllis Hurlock); *Erie*: 1 on 10/22-12/9 at Presque Isle State Park (Jerry McWilliams); *Lycoming*: 3 on 11/14 and 1 on 11/29 at Rose Valley Lake (Ron Beach, Wes Egli); *York*: 1 on 11/19 at Long Arm Dam (Karen Lippy).
- Great Cormorant** - *Bucks*: 3 present 12/2-19 on the Delaware River (Ken Reiker); *Delaware*: 1 on 12/19 at Marcus Hook (Nick Pulcinella)
- Glossy Ibis** - *Indiana*: 1 on 10/15 at Yellow Creek State Park (Randy Stringer).
- Pink-footed Goose** - *Bucks*: 1 on 12/22 at Peace Valley Park (Tom Wurtenberger).
- Ross' Goose** - *Bucks*: 1 on 12/10 through the end of the quarter at Peace Valley Park (Ken Kitson); *Lancaster*: 1 on 12/27 at Middle Creek WMA (Bruce Carl, et al.)
- Harlequin Duck** - *Erie*: 1 on 11/12 at Presque Isle State Park (Jerry McWilliams, Greg Cook).
- Gyr Falcon** - *Berks*: 1 on 10/30 at Yellow House (David Hughes)(No details).
- Sora** - *Huntingdon*: 3 on 10/24-11/18 at Mothersbaugh Swamp (Stephen Repasky); *Lancaster*: Present up to 10/18 at Washington Boro (Bruce Carl); *Venango*: Present up to 10/8 at Two Mile Run Park (Jerry Stanley)
- Common Moorhen** - *Berks*: 1 on 10/17 at Glen Morgan Lake (Ken Lebo); *Crawford*: 1 on 10/18 at Conneaut Marsh (Ron Leberman); *Luzerne*: Present up to 10/4 at Frances Slocum State Park (Rick Koval).
- Black-bellied Plover** - *Erie*: present up to 11/12 at Presque Isle State Park (Jerry McWilliams); *Franklin*: present up to 10/8 at Greencastle Reservoir (Dale Gearhart); *Montgomery*: Present up to 10/4 at Green Lane Reservoir (George Franchois).
- Semipalmated Plover** - *Delaware*: 1 on 10/4 at Darby Creek (Ted Floyd).
- American Avocet** - *Crawford*: 2 on 11/15-26 at the Linesville Fish Hatchery (Ron Leberman, et al.).
- Sanderling** - *Erie*: present all quarter at Presque Isle State Park (Jerry McWilliams)
- Western Sandpiper** - *Delaware*: 1 on 10/4 at Darby Creek (Ted Floyd)
- White-rumped Sandpiper** - *Crawford*: 1 on 11/14 at Woodcock Lake (Ron Leberman); *Lebanon*: 4 on 10/17 at Memorial Lake State Park (Randy Miller); *Montgomery*: 1 on 10/8 at Green Lane Reservoir (Kevin Crilley)
- Baird's Sandpiper** - *Erie*: 2 on 10/1 at Presque Isle

State Park (Don Snyder)

- Purple Sandpiper** - *Erie*: 1 on 11/16 (Don Snyder) and 12/6 (Rick Wiltraut) at Presque Isle State Park.
- Short-billed Dowitcher** - *Berks*: 4 on 10/8 at Lake Ontelaunee (Harold Lebo); *Delaware*: 1 on 10/18 at Darby Creek (Al Guarente); *Somerset*: 1 (sp.) On 10/17 at Buffalo Creek (Jeff Payne).
- Long-billed Dowitcher** - *Bedford*: 1 on 10/9-13 at Beldon (Rosie McGinnett); *Delaware*: 1 on 10/4 at Darby Creek (Ted Floyd); *Indiana*: 2 on 11/3 at Yellow Creek State Park (Dory Jacobs).
- Red Phalarope** - *Butler*: 1 on 12/31-1/1 at Moraine State Park (Debbie Yovanovich).
- Parasitic Jaeger** - *Erie*: 1 on 12/13 at Presque Isle State Park (Jerry McWilliams).
- Jaeger, sp.** - *Erie*: 1 on 11/30 at Presque Isle State Park (Jerry McWilliams).
- Laughing Gull** - *Delaware*: present up to 11/21 with 17 on 11/8 at the Delaware River (Al Guarente, Nick Pulcinella); *Lancaster*: 1 on 12/20 on the Susquehanna River.
- Franklin's Gull** - *Erie*: 2 on 11/12, 3 on 11/13 and 1 on 11/22 at Presque Isle State Park (Jerry McWilliams)
- Little Gull** - *Erie*: 2 on 11/5 and 1 on 12/6 at Presque Isle State Park (Jerry McWilliams); *Lancaster*: 1 on 10/25 at Bainbridge (Peter Robinson)
- Black-headed Gull** - *Butler*: 1 on 12/6-8 at Moraine State Park (Paul Hess, Mike Fialkovich, John Fedak); *Lancaster*: 1 on 12/20 at Cook's Landing Road (Bob Schutsky)
- Thayer's Gull** - *Armstrong*: 1 on 10/25 at McVillie (Mark McConaughy)(no details)
- Iceland Gull** - *Berks*: 1 on 12/26 at the BFI Landfill, Morgantown (Frank & Barb Haas); *Bucks*: 1 on 12/19 (no location, no observer); *Lebanon*: 1 on 12/19 at Memorial Lake State Park (Randy Miller)
- Glaucous Gull** - *Bucks*: 1 on 12/19 (no location, no observer); *Erie*: 1 on 12/31 at Presque Isle State Park (Jerry McWilliams)
- Caspian Tern** - *Delaware*: 2 on 10/14 at Marcus Hook (Al Guarente); *Venango*: 2 on 10/10 at Two Mile Run Park (Roy Boyle)
- Forster's Tern** - *Berks*: 6 on 10/10 at Lake Ontelaunee (Katrina Knight); *Delaware*: present up to 10/25 with 10 on the Darby Creek (Ted Floyd); *Lancaster*: present up to 10/25 with a high of 35 on 10/18 at Washington Boro (Peter Robinson)
- Black-billed Cuckoo** - *Pike*: Present up to 10/24 at Promised Land State Park (Tom Clauser); *Westmoreland*: present up to 10/7 at Powder Mill Nature Reserve (Robert Leberman, Robert Mulvihill)
- Yellow-billed Cuckoo** - *Huntingdon*: present up to 10/11 at Tussey Mountain (Paul Rodewald); *York*: 1 on 10/1 at Codorus State Park (Peter Robinson).

Snowy Owl - *Carbon*: 1 on 10/26 at Bake Oven Knob (Dave Hawk, Barry Reed)

Rufous Hummingbird - *Allegheny*: 1 on 12/13 at Squirrel Hill was present for at least three weeks before (Robert Protz, Jeff Cepull)(No details); *Berks*: 1 from last quarter was present up to 12/31; *Westmoreland*: The bird that wintered last year returned in September and was present all quarter at Delmont.

Western Kingbird - *Clarion*: 1 on 10/18 at Lawsonham (John Fedak).

Loggerhead Shrike - *Adams*: Permanent resident; *Franklin*: 1 on 12/20 at Clay Hill Road (Carl Garner, Dale Gearhart); *Juniata*: 1 on 10/11 at Van Wert (Paul Renno); *Lycoming*: 1 on 12/19-27 at Upper Fairfield Twp (Ed & Tink Reish)

White-eyed Vireo - *Bucks*: 1 present up to 10/17 at Peace Valley Park; *Indiana*: Present up to 10/3 at Yellow Creek State Park (m. obs.); *Westmoreland*: present up to 10/4 at Powder Mill Nature Reserve (Robert Leberman, Robert Mulvihill)

Northern Rough-winged Swallow - *Dauphin*: seen up to 10/4 at Susquehanna River (Grace Randolph); *Lancaster*: Present up to 10/3 at Bainbridge (Bruce Carl); *York*: Present up to 10/3 at Gut Road (John & Jean Prescott)

Bank Swallow - *Lancaster*: Present up to 10/3 at Bainbridge (Bruce Carl); *York*: Present up to 10/24 at Gut Road (John & Jean Prescott)

Sedge Wren - *Bucks*: 1 on 10/25 at Peace Valley Park (August Mirabella).

Townsend's Solitaire - *Clarion*: 1 on 11/24 at Sligo (John Fedak).

Veery - *Erie*: present up to early October at Presque Isle State Park (Jerry McWilliams)

Chestnut-sided Warbler - *Berks*: 1 on 10/7 at Leesport (Dean Kendall); *Clearfield*: 1 on 10/5; *York*: Present up to 10/5 at Wrightsville (Jack & Lil Downs)

Black-throated Gray Warbler - *York*: 1 on 12/1 at Codorus State Park (Dan & Lori Heathcote)(no details).

Blackburnian Warbler - *Carbon*: 1 on 10/3 at Beltzville Lake (Bob Frantz); *Dauphin*: seen up to 10/11 (Grace Randolph); *Schuylkill*: Present up to 10/4 at Locust Lake State Park (Dave Krue).

Yellow-throated Warbler - *Carbon*: 1 on 10/17 at Beltzville Lake (Bob Frantz)

Bay-breasted Warbler - *Berks*: 1 on 10/5 (Matt Spence); *Delaware*: present up to 10/3 at Ridley Creek State Park (Al Guarente); *Montgomery*: Present up to 10/14 at Fort Washington State Park (Bill & Naomi Murphy); *Venango*: 1 on 10/8.

American Redstart - *Delaware*: present up to 10/5 at Smedley Park (Nick Pulcinella); *Erie*: present up to early October at Presque Isle State Park (Jerry McWilliams); *York*: Present up to 10/3 at Wrightsville (Jack & Lil Downs)

Northern Waterthrush - *Delaware*: present up to 10/3 at Ridley Creek State Park (Al Guarente);

Westmoreland: present up to 10/10 at Powder Mill Nature Reserve (Robert Leberman, Robert Mulvihill)

Connecticut Warbler - *Delaware*: 1 on 10/3 at Media (Scott Edwards); *Erie*: 1 on 10/10 at Presque Isle State Park (Walt Shaffer)

Mourning Warbler - *Delaware*: 1 on 10/1 at Ridley Creek State Park (John Ginaven); *Westmoreland*: present up to 10/6 at Powder Mill Nature Reserve (Robert Leberman, Robert Mulvihill).

Hooded Warbler - *Indiana*: Present up to 10/7 at Yellow Creek State Park (Margaret & Roger Higbee); *Mercer*: Present up to 10/5 at Nicklin Lane (Troyers).

Yellow-breasted Chat - *Delaware*: present up to 10/21 at Haverford (Nick Pulcinella)

Clay-colored Sparrow - *Berks*: 1 on 12/19-31 near Topton (Rudy Keller, et al.)

Grasshopper Sparrow - *Bucks*: 1 present up to 10/13 at Peace Valley Park (Ken Reiker); *York*: Present up to 10/6 at Ski-Roundtop (Jeff Pheasant)

LeConte's Sparrow - *Juniata*: 1 in October near Oakland Mills (Aden Troyer).

Nelson's Sharp-tailed Sparrow - *Bucks*: 1 on 10/1 at Eureka Stone Quarry, Warrington Twp. (Ron French); *Lancaster*: 4 on 10/3, 3 on 10/18 at Bainbridge and Washington Boro (m. obs.); *Mercer*: 1 on 10/18-21 at Lake Latonka silt basin (Harvey & Eli Troyer, et al.)

Lapland Longspur - *Erie*: present 10/23(8)-11/27 at Presque Isle State Park (Jim Flynn, Deaune Hoffman); *Lancaster*: Present from 12/27 on near Lititz; *Lebanon*: Present from 11/21 on at Union & Greble Rds (Randy Miller); *Schuylkill*: 1 on 11/9 at Schwartz Valley Road (Scott Weidensaul).

Painted Bunting - *Bucks*: 1 on 10/15-23 at Silver Lake Nature Center (George Carmichael).

Dickcissel - *Delaware*: 1 present from 12/27 to the end of the quarter at Essington (Raymond Miller); *Westmoreland*: 1 on 12/1 at Delmont (Ken Byerly).

Brewer's Blackbird - *Berks*: 1 12/20 in Oley Twp (Dean Kendall); *Bucks*: 1 on 12/19 (Hart Rufe); *Dauphin*: 1 on 10/31 at Carsonville (Joan & Jim Funck)(no details).

Baltimore Oriole - *Berks*: 1 on 10/11 at Leesport (Dean Kendall); *York*: Present up to 12/5 at Spring Grove (Jean Walsh).

Red Crossbill - *Berks/Schuylkill*: 1 on 11/16-18 at Hawk Mountain (Mark Monroe); *Lebanon*: 2 on 11/29 at Memorial Lake State Park (Randy Miller).

Common Redpoll - *Mifflin*: 3 on 12/24 at Kenep's feeder (Margaret Kenep).

Local Notes

Allegheny County

C. Loon was observed on the Monongehela R. at Duck Hollow 12/25 (M Fialkovich). A good count of 10 **Ruddy Duck** was at North Park 10/10 (S Kinzey). A mini-fallout of **Bufflehead** occurred 11/12. On the Allegheny R. 12 were seen at Verona, 3 at Harmar Township (SK), and 6 at North Park (J Hoffmann).

Extremely late were 2 **Least Sandpiper** at Imperial (IMP) 11/22 (MF, C Tague). **Killdeer** lingered all quarter, and an **Am. Woodcock** was found during the CBC 12/26.

The **Merlins** returned to Schenley Park for the winter. A single bird was seen 10/11 (C Stephens); the maximum seen was 3, and they remained through the end of the quarter (v.o.). An **Osprey** was observed flying along the Allegheny R. at Etna 10/20 (S Sinderson). An imm. **Peregrine Falcon** offered close views for much of Dec at Brackenridge (R Protz, P Hess).

I received a report the Turnpike Commission published summarizing the results of a **Short-eared Owl** survey conducted in June 1998 at IMP as part of the Southern Beltway Project. Two nests were found, each with 4 young, all of which fledged. Special thanks to Dan Brauning for sending the report to me. Short-eared Owls were present all quarter, apparently a permanent resident in the county now. A high count of 13 was seen 11/20 (CT). A **Long-eared Owl** was heard calling twice at IMP 12/29 (CT, B Judd, D Foyle).

A **Rufous Hummingbird** was reported visiting a feeder in the Squirrel Hill section of Pittsburgh 12/13 (*vide* MJ Seipler). It was present for three weeks before it was reported.

An extremely late **Red-winged Blackbird** visited a feeder in Harmar Twp 12/12 (J Valimont). A late **Chipping Sparrow** was at Natrona Heights 12/23 (PH). A **Dark-eyed "Oregon" Junco** visited a feeder in NH 11/29 (PH, D Hess, Elliot Hess, Eric Hess). Rare for the county were two **Snow Bunting** flying over at NH 11/4 (PH).

Armstrong County

Snow Goose, seldom reported here, was noted near New Bethlehem 11/3-9 (J Fedak), and 2 were found at Keystone Power Plant 11/22 (D Lauffer). A **Ring-necked Duck** lingered through the quarter's end (M&R Higbee) at the power plant. The McVillie Hawk Watch yielded a **Merlin** 10/10 (M McConaughy). Fifteen **Snow Bunting** at Keystone Res. 11/1 (S Kinzey) hinted of the numbers to arrive during the next quarter.

Bedford County

Rosie McGinnett reports that for the first time in 23 years a **Yellow-bellied Sapsucker** has come to her feeder. It eats from the peanut butter logs. She also said the **Long-billed Dowitcher**, a first for her, stayed around their pond 10/9-13. Dan Snell, birding at Shawnee SP on 12/19, reported immature swans same size as 2 adult **Tundra**. Returning on 12/25, counted 7 swans (sleeping on ice near Colvin area), but couldn't key out due to sleeping with heads tucked in.

On 11/1, Dan found **Rusty Blackbirds** outside the

town of Bedford. He also noted 18 **Turkey Vulture** and 1 sub-adult **Golden Eagle**, in flight, being harrassed by two **Blue Jays**. Janet Shaffer banded 20 **N. Saw-whet Owl** in Bedford Valley between mid Oct. and mid Nov.

Berks County

Lingerers characterized the CBC season: **Yellow-bellied Sapsucker**, **E. Phoebe**, **House Wren**, **kinglets**, **thrushes**, **warblers**, **Fox Sparrow** were all here, some in high numbers for their spp., notably tens of thousands of blackbirds in s. *Berks*.

A **Red-throated Loon** migrated over Hawk Mt. Sanctuary (HMS) 11/2 (M Monroe) and 1 was at L. Ontelaunee (LO) 11/22-26 (M Spence, M Wlasniewski). The places to see lots of **C. Loons** were the hawk lookouts, not the lakes, with a high of 132 at HMS 11/27 (MM). **Pied-billed Grebe** built up to 105 at Glen Morgan L. (GML), where they nest, 10/10 (K Lebo). A **Greater White-fronted Goose** was in a flock of 1000 **Snow Geese** that flew over Blue Marsh L. 12/23 (H&J Silagy). Record high numbers of Snows were counted on the Reading CBC 12/20 (4400) and Bernville CBC 1/2/99 (6360). The flock of 2500 at LO 12/25 included several with yellow neck collars and 1 with a green radio transmitter collar (R Keller). A **Brant** was with Canadas at a farm pond near Shartlesville 11/15-12/6 (m.obs.); at HMS 38 flew over 10/22 and 13 on 11/6 (C Elwell, MM). The hawk lookouts witnessed good Nov. flights of **Tundra Swan**, but the high count of 120 came from GML 12/26 (KL). The flock of 197 **Ruddy Duck** at LO 10/10 (K Knight) was bigger than most seen in *Berks* this century, but the record 1000 estimated at GML 11/14 (KL) was way off the charts.

Bald Eagle (159), **Golden Eagle** (145) and **Cooper's Hawk** (1121) broke records at HMS this fall (MM). **Bald Eagle** was at BML all fall, and a **Golden** was there 12/1 (H&JS). A dark morph **Gyrfalcon** (at one point eating crow) was studied 10/30 in the Oley Valley near Yellow House by a veteran hawkwatcher (D Hughes). An off-ridge **Peregrine Falcon** was at LO 10/5 (MS).

The imm. **C. Moorhen** was last seen at GML 10/17, and the high count of 200 **Am. Coot** was made there 10/3 (KL). Four **Short-billed Dowitcher** were lingering with more common shorebirds at LO 10/8 (H Lebo). A winter ad. **Ls. Black-backed Gull** was at LO 12/19 and Oley 12/20 (RK, MW). A few **Great Black-backed Gull** were at the lakes 11/8 onward. An **Iceland Gull** was at the New Morgan landfill 12/26 (F&B Haas). There were 6 **Forster's Tern** at LO 10/10 (KK).

Two **Short-eared** and 3 **Barred owls** were found on the Hamburg CBC 12/27. At his banding station near the base of the Kittatinny Ridge near Eckville, Todd Bauman banded 89 **N. Saw-whet Owl**, the highest number of any Pa. site, 10/7-11/25, with a peak of 15 on 10/25. One that he banded 10/21 was recaptured on Assateague Is. 10/23, having flown about 175 miles in 2 nights. This was one of the fastest long distance Saw-whet recoveries yet made. A Saw-whet was netted at Nolde Forest EEC 12/22 (LI). Two were heard near Morgantown 12/26 (MS), and 1 on the HCBC.

The **Rufous Hummingbird** first seen at Keim Orchard near Boyertown 9/15 last visited the feeder at 5:00 p.m. 12/31 (JK). It could not survive the cold weather with single digit night temperatures of that period. **Red-headed Woodpecker** adults remain resident at a traditional Oley Valley site. These and 2 nearby imm. added up to 4 on the RCBC. Six migrants passed over HMS in Oct. (MM). **Red-breasted Nuthatch** (total of 3 reports) stayed north. Kinglets are not usually feeder birds, but a **Golden-crowned** ate suet for a few days in Nov. in District Twp (CE) and a **Ruby-crowned** wintering near Leesport made daily visits to a dish of fat-soaked breadcrumbs (D Kendall). An imm. **N. Shrike** (described as being very brownish) was found at BML on the BCBC (KK).

Record late departure dates were set by a **Barn Swallow** at HMS 10/31 and a **Veery** 10/7 (MM). Locally, mid-October was the peak of **Hermit Thrush** migration. From 6:20-7:00 a.m. 10/16, 127 nocturnal flight calls of Hermit Thrush were heard in District Twp. Most of the 302 flight calls heard from 6:37-7:00 a.m. 10/17 were also of Hermit Thrush (RK). The HCBC **Am. Pipit** record shot up to 397 from a previous high of 2, all of them in two flocks in one area of the count circle.

Fifteen warbler spp. were noted, mostly in early Oct. Among the uncommon or unusually late were: **Orange-crowned** 10/12,18 (DK, MW), a **Magnolia** 10/25 (CE), a **Palm** (the first) and a **C. Yellowthroat** on the HCBC, and a **Wilson's** 11/9-12 (DK). A **Clay-colored Sparrow**, probably an adult, was discovered in a weedy treeline in the wide open fields west of Topton 12/19 (ph. P Saenger), and was seen by other birders till at least 12/31 (4 detailed descriptions submitted). Previous *Berks* records are a "probable" by Earl Poole 10/20/64 and a bird seen 11/23/97 (Matt Spence, Bart Smith). A **Snow Bunting** near Molltown 10/6 (J Marks) and 2 at HMS 10/7 (MM) were earlier than the previous early date of 10/11/49. A flock (max. 22 on 11/13-H&JS) that ate weed seeds and chummed millet on a parking lot and the shoreline at BML for a few weeks gave many birders gratifyingly close looks. When these left, no more were seen till winter came in Jan.

A ♂ **Brewer's Blackbird** found near Oley 12/20 by a birder long familiar with the sp. in San Francisco (DK) gave the RCBC a new sp. It was not seen again. The declining **E. Meadowlark** was found in single digits on all 3 CBCs. Like Red-breasted Nuthatches, northern finches stayed north. A ♂ **Red Crossbill** was at HMS 11/16-18 (MM), and a few **Purple Finch**, **Pine Siskin**, and **Evening Grosbeak** passed over the hawk lookouts in Oct. and Nov. Of these spp., only a few Purple Finches were reported off the Kittatinny Ridge. We're back to normal with this group.

Blair County

From Al and Beryl Sternagle come the following reports. From 12/5+ a ♂ **Am. Goldfinch** with a white cap visited the feeders. First seen 12/19, we had ±50 **Am. Robin** stay for a few days. This is the largest flock we have seen this late in the season.

On 12/23,24 a large, white hawk, first thought to be a Snowy Owl due to poor lighting and distance, proved to be a large *buteo* with some gray (not an albino, of course).

Bradford County

The 100 **Canada Geese** flying very high in a V-

formation over Spring Hill on 10/25 were probably northern geese migrating. All three species of **merganser** were seen on Tamarack Pond on both 11/11 and 12/26.

The 12,242 indiv. birds recorded on the 12/26 CBC was the highest number in its 49-year history. The 2nd highest total was 7701, over 4500 fewer than the 1998 count! Eighteen species had new highs: **Am. Robin** 1504 (previous 88); **Golden-crowned Kinglet** 146 (64); **Cedar Waxwing** 502 (135); **Dark-eyed Junco** 530 (444); **Am. Crow** 1117 (635); **Black-capped Chickadee** 625 (569); and **Hooded Merganser** 15 (3). Two outstanding CBC records were 6 **Bald Eagle** and 3 **N. Saw-whet Owl**. Previous highs for both species was one.

Two species, **N. Mockingbird** (new to the count in 1963) and **House Finch** (new in 1972), appear to have passed their peaks. There was 1 mockingbird for 1998 (2 in 1997; 6 in 1996; 7 in 1995; 3 in 1994 & 1993; 5 in 1992). There on 95 House Finch, compared to 150 in 1997; 256 in 1996, 154 in 1995; and a high of 319 in 1988.

Carolina Wren numbers are increasing following several hard winters. There 9 on the 1998 count compared to 1 in 1997; 3 in 1996; 1 in 1995; and 6 in 194. All-time highs were 17 in 1992 and 19 in 1965.

Except for **Purple Finch**, interesting finch reports did not exist.

Bucks County

There were seven unusual species and two exotics reported during the quarter. These include: A **Ross' Goose** (*county's 1st*) was first reported at Peace Valley (PV) on 12/10 (C Crunkleton, K Kitson, A Mirabella), and has been seen there into 1999. About ten days later a second one was also seen at PV (CC). Then on 12/20 a third one was reported near Spinnerstown (K&L Moulton). A **Sedge Wren** (*county's 3rd*) was reported at PV on 10/25 (AM). A **Painted Bunting** (*county's 1st*) was reported at Silver L (SL) on 10/15-23 (H Tomlinson, G Carmichael). A **Clay-colored Sparrow** was at PV from 12/3+. A **Nelson's Sharp-tailed Sparrow** (*county's 2nd*) was at Chalfont on 10/1 (R French). A **Brewer's Blackbird** was reported on the Southern Bucks CBC 12/19 (H Rufe, D Allison). Among the exotic there were: A possible **Pink-footed Goose** reported at PV on 12/22 (T Wurtenberger, B Murphy), and a **Bar-headed Goose** reported at Churchville on 11/28 (A Binns).

Other highlights: A **Red-throated Loon** was at PV10/13 (K Reiker, TW) and another on the S-CBC on 12/19. **Horned Grebe** were at PV on 12/10-11 (KR, TW) on the S-CBC on 12/19, and on the U-CBC on 12/20 (KK). Three **Great Cormorant** were reported in southern *Bucks* on 12/2 (KR) and on the S-CBC 12/19. Some late sightings seen on the S-CBC on 12/19 include 17 **Great Egret**, a **Green Heron**, and 7 **Black-crowned Night-Heron**. **Tundra Swan** were at PV on 11/26 (M Lyman) and 12/26 (W Hafler). A **Green-winged "Common" Teal** was at PV on 12/20 (CC, TW). A **Black Scooter** was at PV on 10/14 and 10/31 (TW), and 2 **Surf Scoter** on 11/4 (KR, TW). A late **Osprey** was at Churchville on 12/6 (AB). A **Rough-legged Hawk** was at PV on 10/23 (TW), and a **Golden Eagle** was reported on 10/29 (R Hendrick). There were 4 reports of **Merlin** throughout the quarter.

The **Ring-neck Pheasant** count of 18 total for the three CBCs was the lowest in 31 years. A **Virginia Rail**

was reported on the U-CBC on 12/20. **Bonaparte's Gull** were at PV on 11/7 (RF), with 67 reported there on 12/30 (KR). An **Iceland Gull** and a **Glaucous Gull** were reported on the S-CBC 12/19. Up to 3 **Long-eared Owl** were at PV from 10/31+ (D Farbotnik). **Red-headed Woodpecker** were reported at Revere (< 3) all quarter (S Farbotnik), at Bedminster Nov into Dec (D McClintock), and another at Bedminster Dec (J Wonsidler). A late **Barn Swallow** was at PV on 11/29 (KR).

A **Marsh Wren** was at Pine Run on 10/4-7 (KR). An **Orange-crowned Warbler** was reported on the S-CBC on 12/19. A **Dickcissel** was at Bedminster on 11/18-21 (KR, AM).

Butler County

Two 1st county records in one month, both at L. Arthur, were a rare distinction. A **Black-headed Gull** was found 12/5 by Randy Stringer and seen closely by many observers through 12/28. A **Red Phalarope** was spotted by Debbie Yovanovich 12/31 and remained long enough the next morning to be confirmed by her and Dave Darney, discovered independently by Joyce Hoffmann, and seen by a dozen birders before it disappeared during a snow squall.

Also notable at L. Arthur were a **Red-throated Loon** 11/21 (DD, DY), 1-2 **Gr. Scaup** 11/15-12/28 (P Hess, D Hess), an **Oldsquaw** 11/8 (PH, DH), and an ad. and an imm. **Bald Eagle** through the quarter (m.ob.). Single **Merlin** were noted at Moraine SP 11/15 (K St. John) and 12/19 (G Wilhelm). 5 **Sandhill Crane** including the *LawrencelMercer* family were last seen 12/10 at Slippery Rock before migrating (GW).

Rounding out the top finds were 2 **C. Raven** at Buffalo Twp 10/9, the 2nd county record (C Bier); 2 **N. Shrike** at Glades 10/25 (S Butcher, R Crawford) and 1 at Moraine SP 12/5 through the end of the quarter (m.ob.); a male **"Oregon" Junco** 12/29-31 at Slippery Rock (GW); a **Snow Bunting** at Moraine SP 10/31 (C&F McCullough) and 3 at Glade Run L. 11/6 (*fide* JH).

The mild autumn weather kept a variety of species around later than usual: **Barn** and **Tree swallows** into Oct (DY); a **Least Sandpiper** at L. Arthur to 11/21 (DD, DY); and **Double-crested Cormorant**, **Killdeer**, **C. Snipe**, **Am. Woodcock**, **Gray Catbird**, and **Am. Pipit** past mid-Dec (v.o.).

Noteworthy counts included 1000+ **Ruddy Duck**, 2500 **Am. Coot**, and 250 **Ring-billed Gull** at L. Arthur (v.o.), a single flock of 99 **Wild Turkey** at Moraine SP (GW), as well as very good **Golden-crowned Kinglet** numbers through the quarter (v.o.). GW saw an unusually heavy and diverse passage of **Ruby-crowned Kinglet**, **E. Bluebird**, **Swainson's** and **Gray-cheeked thrushes**, **Am. Robin**, **Cedar Waxing**, **Red-winged** and **Rusty blackbirds**, **C. Grackle**, **Brown-headed Cowbird**, and **Purple Finch** 10/28-11/1 at Slippery Rock. On the downside, in bleak contrast with last winter, no one reported a single northern finch except the usual Purple.

Cambria County

The highlight was a **Brant** that lingered two weeks at Prince Gallitzin SP (ph. D Gobert). Unusual also was the **Red-headed Woodpecker** first seen 11/24 at Patton, where it remained through the end of the quarter.

Chester County

A **Golden Eagle** at Chester Springs on 12/30 was learned of via the Phila. Rare Bird Alert (no details).

A **Bonaparte's Gull** was observed 11/16 (G Saunders) at Marsh Creek SP as it was shot by a hunter. This was immediately reported to the ranger, who apprehended the hunter. Just prior to shooting the gull he had shot a **Bufflehead**. It was later learned the hunter did not have a hunting license or a driver's license.

A **Mountain Bluebird** was seen by Larry Lewis and others on 11/28 along Dampman Rd near the Honey Brook sewage plant. The bird was not relocated. Details were not submitted.

Clarion County

Two **Bald Eagle** (1 ad., 1 imm.) have been frequenting the Clarion R. in the vicinity of Cook Forest SP and upriver for several miles. Do we dare hope they will nest this year?

Merlin: John Fedak witnessed an adult Merlin attack and kill a **Rusty Blackbird** at Mt. Zion After beheading and plucking the blackbird the adult fed it to a squealing, begging immature bird.

Western Kingbird: seen by Fedak on 10/18 at Lawsonham. If passed by PORC this would be a county 1st.

Townsend's Solitaire: two reports, one in Oct. by Deuane Hoffman and one on 11/24 by Fedak, of a single bird in and around the Mt. Zion strip mined area. If passed by PORC this would be *another county 1st*.

Clearfield County

Coverage was somewhat sporadic, as usual. A rather lonely-looking **Gr. Yellowlegs** was at the DuBois Res. On 11/3, a fairly late date. On 10/5 Parker Dam SP was host to a mixed flock of passerines, which included seven species of warblers, as well as **Blue-headed Vireo**, **Ruby-crowned Kinglet**, and **Tufted Titmouse**. (Titmice can be rather hard to find here.) Two **Lincoln's Sparrow** and a nice flock of immature **White-crowned Sparrow** were found elsewhere in the park on the same date.

Clinton County

After various delays and minor problems, the Bear Mt. N. **Saw-whet Owl** banding station in Swissdale caught 4 Saw-whets the week of 11/16. One bird not captured was seen on 11/17 at that location. A most interesting event happened on 11/28. While demonstrating for visitors the tape call lure for the owls at dusk a **Short-eared Owl** responded to the call and attempted to fly into the barn where the tape was being played! It made several more passes and landed in a tree nearby where it was positively identified.

Other birds of note were 2 **Wild Turkey** at Swissdale on 12/9; 2 **Ruffed Grouse** at Swissdale on 12/5 and 1 on 12/3 at Lock Haven. Lynn and Genevieve Earon had an unidentified **hummingbird** at their home in Lock Haven on 12/10.

Columbia County

Gradually decreasing temperature with neither snowy outbursts nor sudden extreme cold until after Christmas characterized the weather. **Am. Robin**, **Blue Jay**, and **Am. Goldfinch** were more numerous than usual.

The Bloomsburg CBC 12/20 produced a few lingering

species, but not as many as expected considering the lack of significant winter: **E. Meadowlark**, **Red-winged Blackbird**, **Killdeer**, and a single **Am. Woodcock**. The latter was heard calling (M&H Pratt) and moments later was seen traveling, probably unwillingly, in the company of a Red Fox!

Also on count day, an early morning owl search (J&S Graves) produced **E. Screech-**, **Great Horned, Barn**, and **N. Saw-whet**. Reported elsewhere were **Barred**, **Long-eared**, and **Short-eared**.

Crawford County

We had a dry, mild fall. Lake levels fell, but mostly after the major shorebird flights had gone past. Highlights were the 2 **Am. Avocet** on ?? (†??) and sightings of **Golden Eagle** on 11/14,15 (Ron Leberman, Isaac Fields) and **Peregrine Falcon** on 10/3 and 10/13 (RFL). Duck flights were normal or slightly above for most species. No winter finches, but a **N. Shrike** was found on the Linesville CBC 12/20.

Dauphin County

The strong shorebird showing from late summer continued into the early fall. An **Am. Golden-Plover** was still being observed on the Susquehanna from Wormleysburg to 10/4 (G Randolph) while **Greater** and **Lesser Yellowlegs** and **Pectoral Sandpiper** remained to late Oct with 2 Pectorals reported as late as 11/12 (GR). **Ruddy Duck**, **N. Pintail**, and **Bufflehead** were all first reported in Nov along the river and by Dec **C. Goldeneye**, **Tundra Swan**, **Oldsquaw** had joined the regular contingent of over-wintering waterfowl along the river. In mid-Dec a **Ls. Black-backed Gull** was discovered from the W. Fairview boat launch and remained for about a week (GR), and a lingering **Double-crested Cormorant**, same location, made it on the Harrisburg CBC 12/19 (DH).

The **N. Saw-whet Owl** banding project began on 10/1 and continued through much of Nov at a site on Berry Mt. just s. of Loyaltown. The project resulted in the banding of 73 Saw-whet and 1 **E. Screech-Owl** (S&G Lockerman). A **Short-eared Owl** was near Gratz 12/14 (GR), **Long-eareds** had returned to roost sites near Hershey by mid-Dec (R Willaims), and 4 **Barn Owl** and a **Merlin** were counted on the Curtin CBC 12/29 (S Bills). A **N. Goshawk**, **Peregrine Falcon**, and Merlin were all seen in mid-Oct from Blue Mt. (GR).

A **Brewer's Blackbird** paid a visit to a Carsonville feeder 10/31 (J&J Funck). **White-crowned Sparrow** arrived 10/11 and were being reported as common in the environs s. of Hershey through the end of the quarter (GR). Reports of both **Lincoln's** and **Fox sparrows** came throughout the period (many), but a literal "bird-in-the-hand" story involving a Fox Sparrow which had a run in with a picture window on 11/8 and lived to fly another day was recounted (J Renninger). **Winter Wren** also had multiple reports and continued to be observed from the board walks at Wildwood L. into Jan. The first **Snow Bunting** of the season was observed at Wildwood L. 10/27 (GR) and a lone **Pine Siskin** made it on the Curtin CBC 12/29.

Some notable late observations included: **Nashville Warbler** in E. Hanover Twp 11/12 (N Cladel); **House Wren** and **C. Grackle** n. of Harrisburg 12/19 (E Chubb, J

Church); and **Chipping Sparrow** along the Greenbelt Trail near the State Hospital 12/19 (BC, JR). **Gray Catbird**, **E. Towhee**, **Field Sparrow**, and **Red-winged Blackbird**, all of which have normally departed by the end of the quarter were still being reported in Jan. (many). Even an *Empidonax* genus flycatcher was reported on the Curtin CBC 12/29.

Delaware County

We had above average temperatures and the drought that was present through the previous quarter continued. Water levels at Springton Res. (SR) were 18' below normal by the end of the quarter. A total of 157 spp. was reported, including a few unusual species such as **Oldsquaw**, **N. Goshawk**, **Golden Eagle**, **Long-billed Dowitcher**, **Red-headed Woodpecker**, **Orange-crowned Warbler**, **Dickcissel**.

A single **Red-throated Loon** was present at SR 10/21 (A Guarente, N Pulcinella, J Waldie). A **Great Cormorant** was found at Marcus Hook (MH) 12/19 (NP). An **Am. Bittern** spent two days near the Tinicum NWR (TN) 12/5-6, but could not be found thereafter (John Miller). The mild Dec. temperatures probably were the reason 4 **Great Egret** lingered in the Darby Creek (DC) area until 12/19. A flock of 144 **Snow Geese** was observed flying over the Darlington tract (DT) 12/19 (AG). The mild temperatures also attributed to the large numbers of dabbling ducks that remained in the unfrozen environs of TN and DC. A single **Canvasback**, an uncommon migrant in the county, was present at SR 10/19-23 (AG). An irregular migrant at best, a single **Oldsquaw** was observed at Earl's Lake (EL) 12/5 (R Horwitz).

Single or the same **N. Goshawk** was located at Tyler Arboretum (AG, T Reeves). An ad **Golden Eagle** was observed flying over Rose Tree Park 10/31 (NP, J D'Amico). A **Virginia Rail** was discovered at DT 10/31 (M Guenther). Lingered shorebirds at SR remained until 11/ 15 **Gr. Yellowlegs**, 11/8 **Ls Yellowlegs**, and 11/8 **Spotted Sandpiper**. A lone **Long-billed Dowitcher** was reported from DC 10/4 (T Floyd). **Laughing Gull** remained on the Delaware R until 11/21. **Red-headed Woodpecker** has been a declining migrant in the county for some time so it was surprising that 2 were located this quarter. One at DT 11/13 (AG) and another in Havertown 12/19 (RH). There was only one report of a **Horned Lark** 10/15 at DT (AG).

Last year's fall invasion of **Red-breasted Nuthatch** is only a faded memory today as only 1 bird was reported this quarter from a backyard feeder in Chadds Ford. Interestingly, there is a possibility that this species may have nested in the county this year. Belated word is that this same bird was frequenting this yard since July. An out of place **Blue-gray Gnatcatcher** was seen near the Philadelphia Airport (PHL) 12/19 (NP). Two **Orange-crowned Warbler** were found. One present from 12/13-19 near the PHL (AG, NP) and another discovered 12/19 in Folcroft (R Miller). A late **Black-and-white Warbler** was found at DT 11/8 (JD, AG, NP). An unusual fall **Mourning Warbler** was observed at Ridley Creek SP 10/1 (J Ginaven, JW). Single **Snow Bunting** were found at SR 11/8 (AG) and PHL 12/6 (AG). Unlike last year, an outbreak of "winter finches" failed to materialize. A total of 232 spp. was recorded in the county in 1998.

Elk County

After an early cold front went through on 10/22, I found a **Chestnut-sided Warbler** in with a flock of **American Robins** and **Cedar Waxwings** in the Mont area. On 11/2 there were 2 **Hooded Mergansers** on the Clarion River. On 11/6, there were 8 **Buffleheads** at the Ridgway Reservoir. On 11/7-9, I observed a **Bald Eagle** on the Clarion River near the Portland Mills canoe launching area. On 12/8, the Ridgway Reservoir had 1 **Oldsquaw**. On 11/22, Dave Sorg recorded 20 **Tundra Swans**.

Erie County

The 1998 waterbird count produced a total of 23,025 water-related birds. A high number of **Red-throated Loon** was counted again for the second fall in a row, with a total of 70 observed passing Sunset Point. **Horned Grebe** were abundant, with 2309 counted for the season, with a high count of 1900+ tallied in a single day.

Most wintering waterfowl were forced out of the Erie area by ice and snow during the last few days of Dec.

The very rare **Franklin's Gull** made a brief showing in Nov., with at least 7 different birds counted passing Sunset Point.

Also of note: 1 ♀ **Harlequin Duck** was seen from 11/12 to 12/7 at Presque Isle (G Cook, †J McWilliams). 2 **Pomarine Jaeger** were at PI 11/27 (D Hoffman, J Hoffmann, J Horn, J Fedak no details) and 1 there on 11/30 (†JM). An ad. **Parasitic Jaeger** was found 12/13 (†JM). A **Black-legged Kittiwake** was seen 10/31 (†JM).

Fayette County

A **C. Loon** was present at Jacob's Creek L. (JCL) on 11/2 (W&D Shaffer). A good count of 32 **Tundra Swan** at JCL on 11/6 (R&S Gerrish). Also good counts were 204 **Bufflehead** and 350 **Ruddy Duck** were at JCL 11/6 (R&SG), and 157 **Hooded Merganser** were there 12/4 (M Fialkovich).

A late **Swamp Sparrow** was at Deer L on 12/10 (M McConaughy).

Franklin County

A **Ruby-throated Hummingbird** continued to visit a feeder near Chambersburg until 10/18.

Green-winged Teal are still being seen on a farm pond south of Shady Grove. They have been there throughout the year.

A rather unusual sighting of a **Loggerhead Shrike** on 12/19 CBC gave local birders some excitement. The shrike was seen at various times since then near Clay Hill along the Clay Hill Rd. An albino **Red-tailed Hawk** has been observed all quarter near Welty's Mill south of Waynesboro.

Field activity has been sporadic with number of species and the number of birds observed. Many people are wondering where the birds have gone or maybe not gone. It appears that **House Finch** have declined at many feeders.

Huntingdon County

The Huntingdon CBC on 12/20 recorded a record high 67 spp. including four new species: **Pied-billed Grebe**, **Wood Duck**, **C. Yellowthroat**, and **Snow Bunting**. A record high 32 **Carolina Wren** were found, indicative of their rebound from rough winters a few years back. I

wonder how they will handle the ice storms we've had in January '99.

The Lake Raystown CBC on 1/1/99 resulted in 69 spp., with a variety of lingering waterfowl, 25 **Bonaparte's Gull** (almost never recorded here in winter), and 3 ad. **Bald Eagle**.

A good variety of waterfowl, but not large numbers, lingered through the end of the quarter, presumably a result of the mild early winter. Unusually large numbers of **Wood Duck** (300), **Blue-winged Teal** (35), and **N. Pintail** (15) were found in Mothersbaugh Swamp by Stephen Repasky in mid-Nov. He also found 2-3 each **Sora** and **Virginia Rail** in that location between late Oct -mid Nov.

Lingering passerines not normally found every winter here included **E. Phoebe**, **Ruby-crowned Kinglet**, **Gray Catbird**, **C. Yellowthroat**, **E. Towhee**, **Fox Sparrow** and **E. Meadowlark**, all present at least into the last 10 days of Dec.

A highlight of the Huntingdon CBC was a flock of 5000+ **Am. Robin** in the McAlevy's Fort area 12/20 (G Grove, L Grove). Two different **N. Shrike** were found: 1 at L. Perez (G Cramer) from late Oct and possibly still present in late Dec.; a second was at L. Raystown 11/29 (D Kyler). Except for an occasional **Purple Finch**, there were no other winter finch reports.

Indiana County

Highlights included a **Glossy Ibis** and 3 **Long-billed Dowitcher** at Yellow Creek SP (YC) on 10/15 (R Stringer). Also interesting were an **Am. Bittern** 11/3 (D Lauffer, D Jacobs) and a **Surf Scoter** 11/7 (DL, R&S Gerrish, S Graff, L Hess, DJ, J Shipe), also at YC. A **N. Goshawk** was found 12/26 (T Betts, W Betts). A **Peregrine Falcon** at YC on 10/6 (M Higbee, DJ, DL, J Salvetti, MJ Seipler, L Wagner) was the 4th Co. record for that species.

The reclaimed strips near W. Lebanon yielded as many as 5 **Short-eared Owl** consistently after 12/7 (MH, R Higbee). A few warblers lingered into the quarter with no extremely late dates; however, **Pine Warbler**, last noted in the county 9/22, appeared at a Center Twp feeder on 12/16 (B&K Marshall) and lingered through the quarter's end. Two **Evening Grosbeak** visited a feeder near Indiana 12/26 (B&H Mehus), the lone report.

Jefferson County

Not many reports. Waterfowl numbers were low and warblers seemed to be absent. There was a distinct lack of winter finches. The only bird of note was a **White-winged Scoter** on Kyle L. 11/10-14 (J Fedak). I already am looking forward to spring.

Juniata County

Temperatures were mild and we had very little rain fall. Migration was strung out, with lots of lingering birds, such as large flocks of blackbirds and robins well into the quarter. The CBC tallied 75 spp, including 1 **Savannah Sparrow**, 1 **Red-shouldered Hawk**, and several **Hermit Thrush**.

Highlights were a **Loggerhead Shrike** on the Renno farm in Van Wert and the **LeConte's Sparrow** in the Oakland Mills area (†to PORC). A **Red-headed Woodpecker** was seen 11/22 in the Van Wert area (A Renno). And a single **Long-eared Owl** flushed from the

same small pine thicket that harbored at least 4 last winter.

Lancaster County

A **Ross' Goose** was found at Middle Creek WMA on 12/27 (B Carl et al.). Waterfowl diversity was also low, with Redhead, Gr. Scaup, and Eurasian Wigeon all missed.

The Susquehanna R. produced a fine assortment of gulls, including **Little, Black-headed,** and **Ls. Black-backed**. The Little Gull was located at Bainbridge on 10/25 (†P Robinson). The Black-headed was seen off Cook's Landing Rd on 12/20 (B Schutsky). And 2 Ls. Black-backed were found on the Lancaster CBC 12/26.

Up to 4 **Nelson's Sharp-tailed Sparrow** were found on the river islands between 10/3-18 (BC, E Witmer, T Garner). These numbers were down from previous years.

Lebanon County

Mild weather and a draw down of water at Memorial L. (ML) were productive. Rare, for here, were an ad. and imm. **Mute Swan** at ML until 12/24. Six **N. Shoveler** at Middle Creech WMA (MC) set a late date by 30 days. **N. Pintail** set a new high and late date with 55 birds at MC on 12/21. Three **Canvasback** at ML on 10/11 was nice as were 4 **Redhead** on 12/24, also at ML. A **Bufflehead** on 10/22 at ML set an early date by 18 days. Four **Hooded Merganser** at ML on 12/24 set a late date by 34 days. And **Ruddy Duck** set a new early date on 10/11, and new late date 12/24, and a new high with 23 on 12/24, all at ML.

Two **Rough-legged Hawk** flew over Mt. Wilson on 12/27. A **Gr. Yellowlegs** at ML set a new late date by 41 days, 11/1, and a **Ls. Yellowlegs** set a new late date by 51 days on 11/11. A **Least Sandpiper** set a late date by 38 days on 10/21 at ML. Four **White-rumped Sandpiper** at ML was a good find. **Pectoral Sandpiper** set a new high with 8 on 10/18 at ML. A single **Dunlin** set a late date on 10/21 at ML.

1st winter **Iceland Gull** at ML on 12/19 was seen coming in to roost for the evening. And 4 **Ls. Black-backed Gull** at ML on 12/19 was a good find.

A pair of **Chimney Swift** set a new late at ML on 10/11. **Red-headed Woodpecker** were found at a new location at Ft. Indiantown Gap. **Tree Swallow** set a new late date when 1500 were seen at ML on 10/21.

Chipping Sparrow set a new late date with 3 on 12/19 at ML. **Snow Bunting** set a new high with 4 on 11/9 at SGL-156. Two **Red Crossbill** were found at ML on 11/29 and a **Pine Siskin** was also there.

On 10/25 I had the pleasure of watching a Bobcat on Second Mt. for 20 minutes trying to catch **Dark-eyed Juncos**. The cat was crouched on the dirt road and was watching a small flock move toward him. The birds were feeding in the weeds along the dirt road. When they were 2' away the bobcat dashed into the weeds. The juncos flew out in a hurry. Then the bobcat came out onto the road, still hungry. It went off into Stoney Valley to look for another meal.

Luzerne County

Overall numbers of species were slightly down. A lack luster hawk migration and few warblers added some gloom to the optimistic birders of our county. We did manage to find some noteworthy birds. Highlights were a county first and a few rarities.

Council Cup Hawk Watch (CC) reported 6 **Gr. White-fronted Geese** flying over on 11/15 by (J Hoyson, R Koval, M Blauer, S Barron). This was a *1st Co. record*. A lone **Snow Goose** was reported at CC on 10/11 (Jho, RK) and 1 on 12/27 at W. Pittston (RK). The only report this year of **N. Shoveler** was on the very last day of 1998 at HL (Jho, RK). A high number of **Black Scoter**, 40, was reported at Slyvan L. on 11/1 (RK). An impressive 107 **Ruddy Duck** made Shady Side L their fall refuge.

The fall hawk migration was very disappointing. Numbers were well below average on most raptors. Coverage was adequate but NW fronts were far and few. As an example, only one **N. Goshawk** was reported at CC. Thanks to Joe Scoltes for some Nov. coverage, or else this hawk species would had been unreported. Two **Golden Eagle** were seen at CC. One on 10/22, one on 10/29 (SB).

Two **N. Bobwhite** were at Hobbie on 10/21 (A Pfeiffer). Maybe they will survive our long winters here. A very uncommon **C. Moorhen** appeared at Francis Slocum SP (FS) in late Sept and stayed until 10/4. The ladies from Lower Luzerne came through again and discovered an adult **Red-headed Woodpecker** at Briggsville on 10/23 (L Reggie). Two ad. Were observed at the same location 10/31 (AP). At least 1 ad. has made this location a permanent winter home as it was observed endlessly storing acorns in several trees within its small territory. We are making regular checks at this site and welcome this locally rare woodpecker as a resident and possible breeder.

Another highlight was a **N. Shrike** found on the Dallas CBC at Lehman on 12/19 (A Gregory, JHo, RK). Occasionally it pays off to scan all N. Mockingbirds. Only three species of warbler were reported this quarter: **Yellow-rumped, Black-throated Green,** and a **Palm** found at FS on 10/18 (JHo).

Two reports of **Snow Bunting**: a flock of 10 at L. Jean in Ricketts Glen SP on 10/25 (D Gross) and in the parking lot at Wegman's in Wilkes Barre Twp on 11/27 (B Wasilewski).

Lycoming County

Among the interesting sightings were 3 **Red-necked Grebe**, which were first seen 11/14 at Rose Valley L. (R Beach, W Egli). A long Red-necked Grebe was still on the lake 11/29 (RB).

A lingering **Osprey** was seen on Muncy Cr. at Picture Rocks through 11/13 (B&D Sandmeyer). One or 2 **Peregrine Falcon** were in the Willimasport area all quarter (M Kuriga, E Reish). We're hoping for successful nesting this year. Perhaps the most interesting sighting was a **Loggerhead Shrike** which first appeared at the Reish's feeding station in Upper Fairfield Twp 12/19. It was seen again 12/27, but not after.

Mercer County

Waterfowl generally made a poor showing, but we had many late dates due to the unusually warm fall. 9 **N. Pintail**, seldom recorded here anymore, were noted 12/21, and 30 **Ring-necked Duck** on 12/26. **Tundra Swan** peaked at 300+ on 11/13 at L. Latonka, but passed through until 12/31, when 18 were seen at Grove City.

A **N. Shrike** was well-seen and described from Valcourt Rd 10/20 (R Stringer). A **N. Goshawk** at Shenango R. Res. 10/9 was amazing (RS).

PENNSYLVANIA SOCIETY FOR ORNITHOLOGY
 10th Anniversary Meeting
 24-26 September, 1999
 Holiday Inn
 Morgantown, PA

FRIDAY, September 24, 1999

5:00	p.m.	--	9:00	p.m.	Registration
7:00	p.m.	--	8:00	p.m.	Social
8:00	p.m.	--	8:45	p.m.	PSO Business Meeting
8:45	p.m.	--	10:00	p.m.	Field Trip Overview

SATURDAY, September 25, 1999

5:30	a.m.	-	6:30	a.m.	Breakfast
6:30	a.m.	--	11:45	a.m.	Field Trips (*see below)
Noon	--		1:00		Lunch
Afternoon Programs					
1:00	p.m.	--	2:00	p.m.	Louis Bevier - Hummingbird Identification
2:00	p.m.	--	2:45	p.m.	Scott Weidensaul - Saw-Whet-Owl Banding in Pennsylvania
2:45	p.m.	--	3:00	p.m.	Break
3:00	p.m.	--	3:45	p.m.	Dave Brandes - Solving the Puzzle of the Spring Golden Eagle Migration through Pennsylvania
3:45	p.m.	--	4:30	p.m.	Scott Klinger - The Impact of Agriculture and USDA Programs on the Abundance of Grassland Birds: Can we Restore Declining Grassland Bird Populations on Pennsylvania Farmland?
4:30	p.m.	--	5:15	p.m.	Paul Rodewald - Habitat Use and Foraging Behavior of Neotropical Migrant Songbirds during Migration in Central Pennsylvania
6:00	p.m.	--	7:00	p.m.	Social including book signing with Pete Dunne
7:00	p.m.	--	9:30	p.m.	Banquet- Our banquet speaker will be Pete Dunne presenting "Spishing 101"

SUNDAY, September 26, 1999

5:30	a.m.	-	6:30	a.m.	Breakfast
6:30	a.m.	--	11:30	p.m.	Field Trips (*see below)

Saturday Field Trips

Carr's Park - This will be an **all-walking** trip around Morgan Lake in Carr's Park. This has the largest colony of breeding Pied-billed Grebes in the state and has had Ruddy Ducks nesting the past two years. We will look for waterfowl and migrant passerines. There is an entrance fee, therefore we ask that you register for this trip on your registration form.

Lake Ontelaunee - A drive and walk trip around Lake Ontelaunee, one of the premier birding spots in Berks County where many of the records in *A Century of Birdlife in Berks County* came from. We will look for waterfowl, shorebirds, and migrant passerines. If conditions warrant, there will be an approximate 2-mile roundtrip walk to look for shorebirds.

Blue Marsh Lake - This will be a drive and walk trip to Blue Marsh Lake - a Corps of Engineers impoundment - with a great variety of habitat. We will look for waterfowl, shorebirds, and migrant passerines. No strenuous walking.

Rte 183 Hawk Watch - One of the easiest hawk watches to get to. Located about 15 miles downridge from Hawk Mountain, it gets great hawk flights. For those who cannot or do not wish to walk far, this trip will be easy on the legs. The hawkwatch is just off the side of the road. Bring a folding chair and sit back and enjoy the flight. The hawk flight will be weather-dependent, of course.

Sunday Field Trips

SPECIAL SUNDAY FIELD TRIP - Sharp-tailed Sparrow quest - This trip will consist of being taken by boat out to several islands on the Susquehanna River renowned for Sharp-tailed Sparrows in fall migration. Because of the logistics (boats, etc.) this trip is limited to 20 participants. Participants will be chosen on a first-come-first-served basis. You must register for this trip on your registration form so that we can be sure of the number of participants. Be prepared to get wet. Wear either sneakers or waders. There will be walking through knee-high water.

Carr's Park - see description above.

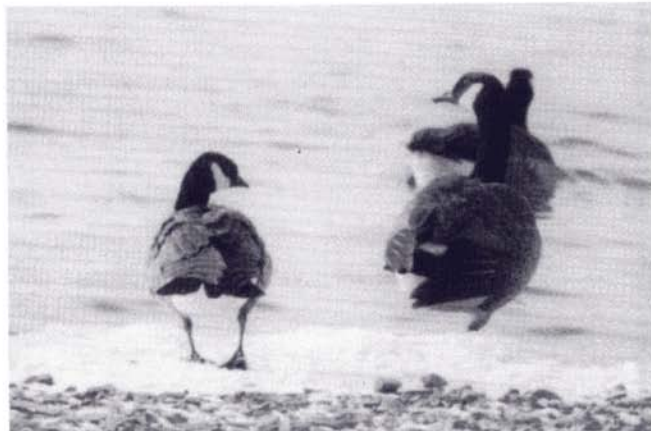
Other Sunday trips to be determined.

***** REGISTRATION FORM INSIDE BACK MAILING COVER *****

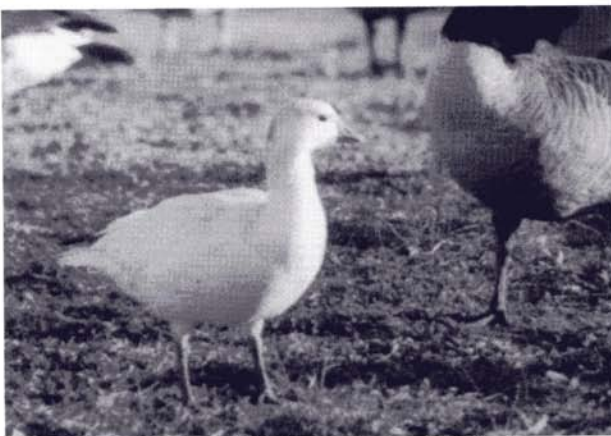
PHOTOGRAPHIC HIGHLIGHTS



Brant, Prince Gallitzin State Park, *Cambria*, 11/9/1998.
Photo by Dave Gobert.



"Richardson's" Canada Goose, Green Lane Reservoir,
Montgomery, 12/24/1998. Photo by Kevin Crilley.



Ross' Goose, Peace Valley Park, *Bucks*, 12/10/1998.
Photo by Ken Kitson.



Rough-legged Hawk, Presque Isle State Park, Erie, 11/29/1998. Photo by Rick Wiltraut.



Northern Saw-whet Owl, Swissdale, Clinton, 11/16/1998. Photo by Wayne Laubscher.



Black Scoters, Beltzville State Park, Carbon, 11/1/1998. Photo by Rick Wiltraut.



Rufous Hummingbird, Keim Orchard, *Berks*,
10/11/1998. Photo by Bill Uhrich.



Lincoln's Sparrow, Nazareth, *Northampton*, 10/1/1998. Photo by Rick Wiltraut.

As usual at Hermitage, **Yellow-rumped Warbler**, moving through all fall, disappeared 11/15 as soon as every poison ivy berry was consumed.

The highlight was certainly the **Nelson's Sharp-tailed Sparrow** found by the Troyer family in a boggy, grassy area near L. Latonka on 10/18. It stayed 3 days and seen by m.ob., with documentation sent to PORC.

Mifflin County

E. Bluebird counts are good. A group of 10 was observed bathing in a hole in a tree that filled with rain water (K McMullen). At least 5 **Carolina Wren** are wintering in our yard (M Kenepf). **Great Horned Owl** have been quite vocal since Nov.

An **Am. Woodcock** was seen near Barrville during a cold snap 11/21 and we are sure it will be unable to obtain food from the frozen ground. **Blue Jays** were "sledding" along frozen twigs to get sunflower seeds after a freezing rain.

Recipe from Lydia Hostettler: Cornmeal, flour, and vegetable shortening or drippings. Mix and form balls. She also feeds meal worms to the bluebirds.

Monroe County

We had little precipitation, a mild Dec., and some lingering species including an outstanding **Black-and-white Warbler** reported on the Pocono Mt. CBC.

Two **Red-headed Woodpecker** were found in a swamp at the headquarters of the Delaware Water Gap National Rec. Area (DWG) near Bushkill 10/24 (T Clauser) and remained through the quarter (B Hardiman). A **C. Raven** flew over the Tannersville bog 12/9 (BH). This species has nested on Spruce Mt. near Canadensis in the recent past and currently nests on Mt. Minsi in the DWG on the *Northampton/Monro* line.

The CBC on 12/27 tallied 52 spp. including a **Gray Catbird**, the **Black-and-white Warbler**, and 5 **Chipping Sparrow** (R Kaiser-Antonowich). No northern finches found. The only **Purple Finch** were 4 on 11/1 at Zimmer Preserve (E Parnum) and 1 at a feeder at the Monroe Co. Environ. Education Ctr 11/19 (BH).

A personal thank you to Tom Clauser for his assistance in helping me get started. Birders are asked to report their sightings to the Pocono Birdline (570-588-7401) operated by Chris Turn of the Pocono Mt. Audubon chapter.

Montgomery County

The quarter began rather inauspiciously, but birding warmed up as temperatures dropped in Dec. 500+ **Double-crested Cormorant** flew over the Militia Hill Hawk Watch at Ft. Washington Park on 10/22.(B&N Murphy). An incredible 83 **Black Vulture** were overhead near a Franconia Twp meat-packing plant on 10/7 (GA Freed). Waterfowl variety was about average at 21 spp., but included at least two big surprises. A **Brant** was at Green Lane Res (GLR) 11/28-29 (K Crilley), and an ad. **Gr. White-fronted Goose** was there 12/20+ (GAF, KC ph.).The county's 1st ever **Ross' Goose** was at GLR 12/5- 31 (GAF, m.ob.). An ad. **Pink-footed Goose** at GLR 12/31 was another *county 1st!* (S Rothenberger, m.ob.). Other noteworthy geese included a Canada x White-fronted hybrid 12/22+ (KC, m.ob.), and a "Richardson's"-type Canada 12/24+ (KC ,ph., m.ob.). Waterfowl reports also included 219

Green-winged Teal 10/19 (GAF), 38 **N. Shoveler** 10/8 (KC), and 2 **Canvasback** 11/22 (GAF).

Raptors also had a decent showing. At least 4 **Bald Eagle** were at GLR, which is not unusual in recent years. Some behavior noted between two adults, however, was interesting. George Franchois saw the two engaged in "a playful attempt at copulation on what seemed like the beginnings of a nest" (GAF). The mass of sticks remains, but the birds moved out in late Dec as the lake iced over. A **Rough-legged Hawk** at FWP was a big (and early) surprise (BNM). A fly-over imm. **Golden Eagle** 10/12 surprised GAF while he did some "yard work" from his Pennsburg hammock! **Merlin** were seen at both GLR and Upper Perkiomen Park (KC, GAF) and a **Peregrine Falcon** was at GLR 10/10 (KC, A Curtis).

What began as a good shorebird season ended rather abruptly when heavy rains on 10/5 inundated the Church Rd mudflats at GLR. 3 **Am. Golden-Plover** were at GLR along with a **Black-bellied Plover** 10/4 (GAF) Other "late" shorebirds included **Pectoral Sandpiper** and **Dunlin** to 10/14 (K Reiker).

After a long absence in *Montgomery*, a **Barred Owl** was heard at GLR by GAF on 12/23. Another dry spell ended when a **Red-headed Woodpecker** showed up at Mill Grove 10/21 (KC). Among Bill Murphy's nice finds at FWP were a **Gray Catbird** 12/21, a late **Nashville Warbler** 11/4, and 3 **E. Towhee** until 12/31! 20 **Snow Bunting** were at Walt Rd, GLR, 11/8 (KR). A "high" of 4 **Purple Finch** were at GLR 10/19 (GAF). Good thing we enjoyed those winter finches last year!

Montour County

For the second winter in a row, a roost of **Long-eared Owl** was discovered at PP&L Montour Preserve. This winter at least 3 owls were using the same stand of pines as was used last year A second roosting site was discovered by Janet Grecsek with 5 owls. The owls evidently were using one white pine at this site regularly as evidenced by the large number of owl pellets on branches and at the base and the whitewash on the tree trunk.

Northampton County

An adult and 1st year **Great Cormorant** at Martin's Creek 12/10-17 was a 3rd county record (Rick Wiltraut) and a **Ross' Goose** at Green Pond in December was a 4th county record (m. obs.). 30 **Green-winged Teal** were counted at the Martin's Creek Flyash Basin on 10/8 (RW). 13 **American Golden-Plovers** were in a large plowed field on Berry Hollow Road 10/8 and 100 **Killdeer** were at the Flyash Basin 10/5 (RW). A **Dunlin** was at the FlyAsh Basin 10/9(RW). A dead **Barn Owl** was picked up by a local police officer on Rte 33 at Wind Gap 11/3 (Sean Stuber)

An adult male **Yellow-headed Blackbird** was found in a huge mixed flock of **Common Grackles**, **Brown-headed Cowbirds**, and **Red-winged Blackbirds** at the Flyash Basin 12/16 (RW) and a young male was found 12/17 (Jason Horn).

40 **Snow Buntings** were at the Flyash Basin 11/12 (RW) and an estimated 280 were at Schlegel Hill 12/20 (Dave Dereamus). A **Lapland Longspur** was at Graver's Hill 12/20 (RW, Gordon Yoder). A **Clay-colored Sparrow** at the Flyash Basin from 11/14 to the end of the quarter was a 3rd county record (RW). 6 **Lincoln's Sparrows** were at

Nazareth 10/10 (RW).

Northumberland County

20 **American Coot** were at Shikellamy State Park 10/30 (Wes Egli).

Pike County

There were 97 spp. Reported. As last year, the fall and early winter have been mild, with little snow or ice, which caused some birds to delay departure. Unlike last year, this has not yet proven good for finding winter finches. Ducks showed up, with **C. Merganser** living up to their name on the Delaware R., **Am. Black Duck** and **Mallard** showing up in several locations. Bushkill boat access and Milford Beach remain relatively good spots for seeing eagles, with the best spot in the county being the Zane Grey Museum's parking lot overlooking the confluence of the Lackawaxen and Delaware rivers being the most reliable site for seeing winter eagles (PEEC led trips). My thanks to those who have helped me with my first county compilation - particularly Tom Clauser.

Potter County

Basically, very few winter finches.

Schuylkill County

We recorded 142 spp., which was 13 spp. short of last year, due to the lack of waterfowl in the county. Only 2 **Red-throated Loon** were reported, 1 at the north lookout of Hawk Mt. Sanctuary (HMS) 11/2 (M Monroe, Laurie Goodrich, & staff), and 1 at the Lebanon Res (LR) 11/16 (L Ealy, D Krue). Only 1 **Horned Grebe** was reported: at Still Creek Res (SCR) 11/11 (DK). 200 **Double-crested Cormorant** were seen at HMS 10/20 (LG, MM). HMS had 21 **Black Vulture** 11/15 (LG, MM). The **Tundra Swan** which arrived at the Landingville Dam (LVD) in April was still present throughout the quarter. The only **Oldsquaw** was at the SCR 10/26 (DK). HMS established 4 all-time yearly records including 55 Black Vulture, 1121 **Cooper's Hawk**, 159 **Bald Eagle**, and 145 **Golden Eagle**.

Only 1 **Bonaparte's Gull** was reported, which was at the SCR 11/13 (DK). A county banding station reported 21 **N. Saw-whet Owl** 10/25 (S Weidensaul), which is a state record for one day. At least 2 **Red-headed Woodpecker** were being seen throughout the quarter at Forest Hills in Pottsville (M Ward). Five **Swainson's Thrush** were at the Tumbling Run Dam (TRD) 10/7 (T Clauser), and were the only ones for the quarter. Schwartz Valley Road (SVR) in Wayne Twp reported 29 **Am. Pipit** 11/29 (SW).

A very nice find was an **Orange-crowned Warbler** at SGL160 near the village of Rock 10/9 (DK). A **Dark-eyed "Oregon" Junco** was at Forest Hills in Pottsville 12/23 (MW). Only 1 **Lapland Longspur** was found with **Horned Lark** and **Snow Bunting** at SVR 11/9 (SW). 120 Snow Bunting were at the Schuylkill Co Airport in Mt. Pleasant 11/12 (M Sterling). The county had only 1 **Red Crossbill** this year, at HMS 11/16 (LG, MM). There was no **White-winged Crossbill** reported and only 1 **Pine Siskin**, also at HMS 10/5 (LG, MM). **Evening Grosbeak** turned up on 3 occasions, with 7 at the 183 Hawk Watch 10/25 (J Silagy), 9 at HMS 11/2 (LG, MM), and 2 more at HMS 11/15 (LG, MM).

Somerset County

An exceptional acorn crop kept high numbers of **Wood Duck** in the area until Nov when cold started to freeze the water; 60 were counted on 10/24 on a beaver dam along Wilson Cr (A Marich). The mild fall weather kept many lakes relatively ice-free until 12/26, accounting for some late dates for some duck species and others. Three **White-winged Scoter** were at Somerset L on 10/10 (AM). 300 **Ruddy Duck** were present there on 12/9 (AM). **Dowitcher sp.** was noted on 10/17 at Buffalo Cr (J Payne).

A late **Hermit Thrush** was found on 12/25 at Quemahoning Res (AM). Also late was **Am. Pipit** in the Markleton area on 12/22 (J&LP). Thirty-one **Yellow-rumped Warbler** were found on 12/22 on the Yough R. at Confluence (AM). Forty **White-crowned Sparrow** were observed at Payne's Place on 10/13 (JP) and over 10,000 **Red-winged Blackbird** were noted not far away at Roxbury on 10/20 (JP).

WCO's Dan Jenkins & Tim Flanigan were the observers of 2 **Sandhill Crane** noted in the last issue near Berlin in April of last year. They were observed at a distance of ±100 yds by the officers but stayed in the area for only one day.

Sullivan County

Very mild weather and unseasonably higher temperatures until the week before Christmas, when winter arrived with lower than normal temperatures. No snow cover and most waters still open by end of quarter.

Despite the mild weather, few notable sightings of lingering species. Few if any birds (even common species) came to feeding stations. Feeders filled prior to Thanksgiving at Worlds End SP were still 75% full by end of quarter!

Golden Eagle was a good find at Shumans L on 11/21 (S Loror). **Yellow-bellied Sapsucker** was a late record on 12/25 in Mildred (J&B Exley). Several reports of **Carolina Wren**, an infrequently observed species, were noted from throughout the county from early Oct through late Nov (v.o.).

Venango County

It was a slow quarter. Waterfowl seemed later than usual, and in lower numbers, though we rarely have good fall waterfall migrations. An exception, **Am. Black Duck** numbers were good and this continued on into the new year. An early **N. Pintail** was seen on 10/17 at Kahle L (R States). Our 1st fall record of **Sora** continued into the month of Oct with up to 2 indiv. remaining until 10/8. **Am. Coot**, once rare in the county, continues to increase in numbers and sightings.

An uncommon fall record of 2 **Caspian Tern** was at Two Mile Run Park on 10/10 (R Boyle). **Short-eared Owl** at Barkeyville were not reported until 12/6. A 1st co. record was recorded this quarter: a **Marsh Wren** was located in the cattails at TMRP (J Stanley) and seen by m.ob., though we were unable to relocate it the next day. A **N. Shrike**, or two different individuals, made their appearance at Buttermilk Hill Nature Sanctuary, only for a few hours each time on 11/22 and 12/12 (K Goodblood, JS). Sparrows were sporadic, with **Song Sparrow** continuing to be scarce. **Purple Finch** also continue to be scarce.

Warren County

Canada Goose numbers on Warren's 56th CBC 12/19 was a record high 361.

A **Turkey Vulture** at Akeley 12/25 (D Chase) and 12/26 (A Cagle) was probably the 1st co. winter record.

One **N. Goshawk** was near N. Warren 10/4 and 10/9 (C Putnam). Two **Short-eared Owl** were near Lander 12/26 (D Watts). Local residents said they had been there about a month.

A **Yellow-bellied Sapsucker** has been at a feeder in Saybrook from 12/24 into Jan (M Neel). The **Am. Crow** CBC was a record high 397. **C. Raven** were observed in three locations near Sheffield and south of Warren in late Nov and early Dec (DW).

Over 25 **Golden-crowned Kinglet** were counted along two blocks in Warren 11/12 (CP). A **Winter Wren** on the CBC was the first since 1969. The 19 **E. Bluebird** seen by three parties on the CBC beat the previous high of three. A **Veery** was seen by MN in front of the car on her lane at Saybrook 12/24. About 55 **Am Robin** were seen south of Warren 11/26 (DW). One **Chipping Sparrow** was only the 3rd occurrence on the 56 CBC days. One **Pine Siskin** was at Saybrook 11/8 (MN).

Washington County

At a reclaimed stripmine area in Robinson Twp., Paul Brown reported the following sightings.

Northern Harrier - Recorded from 11/7 to 12/29 with a high of 6 on 11/14.

Short-eared Owl - Recorded from 11/7 to 12/29 with a high of 6 on 11/27.

Eastern Meadowlark - Recorded from 11/7 to 12/28 with a high of 2 on 12/14.

This area is just a few miles south of Imperial (*Allegheny*), where Short-eared Owls have been confirmed nesting. This site bears watching.

Westmoreland County

The second **Am. Bittern** ever banded at PNR (R Leberman, R Mulvihill) was netted on 10/7; the bird remained for about a week thereafter and was seen by several birders. K. Byerly found a late **Turkey Vulture** at Murrysville on 12/9, for one of very few county winter records. R. Shaw and M. Wisner observed an imm. **Bald Eagle** at Donegal L. on 10/18; and on the same day Shaw found an adult at Trout Run Res. near Ligonier. Leberman saw a **N. Saw-whet Owl** near Rector the evening of 12/7.

The **Rufous Hummingbird** that had spent the winter of 1997-98 at Dormont (where it was banded by Mulvihill) returned to the same feeder this Sept., and was still present through the end of the quarter (J. Madden). A **N. Shrike** banded at Powdermill 11/6 remained in that area for over a week where it was seen by many birders; this, or another individual, was also found at the Reserve on 12/2 (RCL). At PNR we experienced our second highest banding total for **Myrtle Warbler** in the 38 year history of the program--with 885 netted. A **Dickcissel** was a good find at Byerly's Delmont feeder on 12/ 1. Seven **Snow Bunting** at Mendow on 11/11 (D Koch) were both early and rare finds for this region.

Wyoming County

High totals on the 12/20 CBC included: 163 **Wild**

Turkey, 22 **E. Screech-Owl**, 30 **Red-bellied Woodpecker**, and 19 **Pileated Woodpecker**.

4 **Bald Eagle** on 12/20 reflect the great increase in eagles along the Susquehanna R. in *Wyoming* and contiguous counties.

The above-normal temperatures this past fall are probably in part responsible for several late dates: **Blue-winged Teal** on 11/14; **Osprey** on 11/10; and **Tree Swallow** 104. A roost of ±8000 **Am. Robin** on 12/13 and 116 **Red-winged Blackbird** on 12/20 probably also reflect the late season.

Absolutely no winter finches (unless you count **Purple Finch**, and there weren't many of them). At least 99 spp. Were reported. The 120 **Canada Geese** in a "V-formation" near L. Carey 11/20 may well have been northern migrants.

York County

A **Black-crowned Night-Heron** was found on the 12/19 CBC. 200 **Snow Geese** flew over J Pheasant's home near Ski Roundtop 105. A **Brant** was on the shore of L. Redman 11/15 (D Wildasin) and last seen 11/21 (A Spiese). At Codorus SP 4 **Surf Scoter** 108 (D&L Heathcote), 1 **White-winged Scoter** 11/12 and 6 **Black Scoter** 10/16 (P Robinson).

A total of 23 **Bald Eagle** and 6052 **Broad-winged Hawk** were counted at the Rocky Ridge Hawk Watch (DW, R Phillips coordinators). A **Bonaparte's Gull** was found on the CBC. The Heathcotes found a **Ls. Black-backed Gull** on the parking lot at York Mall 11/28.

A **N. Shrike** was near Ski Roundtop 12/20 (JP). A **Black-throated Gray Warbler** was found 12/1 at CSP (D&LH). On 10/8 a **Kirtland's Warbler** visited the Downs feeding area (no details). A **Chipping Sparrow** lingered from 12/5-24 near Shi Roundtop (JP). The CBC recorded 141 **White-crowned Sparrow**. A **Baltimore Oriole** was seen 12/5 near a feeder at Spring Grove (J Walsh).

EXOTIC: A **Black Swan** was at Landing Arm Dam 12/13 (PR).

Seasonal Occurrence Tables - October through December 1998

A summary of frequently reported species with arrival/departure dates and high counts

HOW TO READ THE TABLES

The species listed in the following tables represent the “expected” species in most areas. The following 26 species, permanent residents that occur in almost every county, are not included.

Ruffed Grouse, Ring-necked Pheasant, Wild Turkey, Rock Dove, Mourning Dove, Eastern Screech and Great Horned owls, Belted Kingfisher, Red-bellied, Downy, Hairy, and Pileated woodpecker, Blue Jay, American Crow, Tufted Titmouse, White-breasted Nuthatch, Carolina Wren, Eastern Bluebird, Northern Mockingbird, Cedar Waxwing, European Starling, Northern Cardinal, Song Sparrow, House Finch, American Goldfinch, and House Sparrow

Not all of the above are “permanent residents” in the strictest sense. Kingfishers, for example, will leave an area if all of the open water freezes up. Blue Jays migrate, but since Pennsylvania is in the center of their summer and winter ranges, they are present year round. Comments on the above species can be found in either the *Summary of the Season* or *Local Notes*.

All other reported species can be found in the *Birds of Note* section.

CODES

The codes used in the tables are as follows:

A = Present All quarter. This species was present from the first day of the quarter through the last day of the quarter. This could refer to individual birds or the species as a group.

P = Present Part of the quarter. This species was present, but specific dates are not available.

R = Permanent Resident. This species breeds and is present year round in this county.

L = Late or Low. An L after a date indicates an unusually late date. An L after a number indicates an unusually low number.

H = High. An H after a number indicates an unusually high number.

E = Early. An E after a date indicates an unusually early date.

→ = An arrow before a date indicates the species was present from the beginning of the quarter to at least that date.

An arrow after a date indicates the species was present starting with that date and through the rest of the quarter.

() = Numbers in parentheses indicate high counts for the season. No number means only 1-3 individuals or no number was reported.

***** = Something noteworthy. Comments about the record may usually be found in the Local Notes section.

sp. = Species unknown, such as Scaup.

A comma between dates indicates that the species was not present during that interval.

A blank does not necessarily mean that the species does not occur in that county, just that no reports were received by the compiler for that species.

EXAMPLES:

2/27-3/6(24)-3/30 means the species was first reported on 2/27 with a high of 24 on 3/6 and last reported on 3/30.

1/6-3/22(250)→ means the species was first reported on 1/6 with a high of 250 on 3/22 and present through the rest of the quarter.

-1/5,3/15→ means the species was present up to 1/5 then returned on 3/15 and was present through the rest of the quarter.

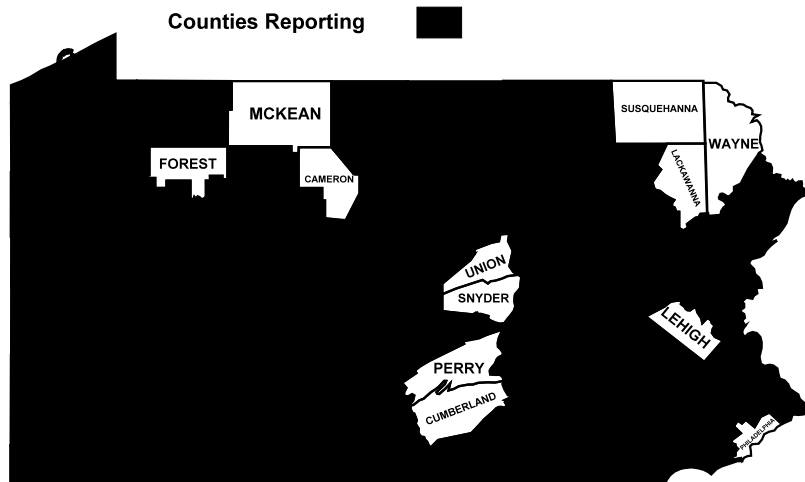
5/6→ means the species was first seen on 5/6 and remained the rest of the quarter.

A-5/6(25) means the species was present all quarter with a high of 25 on 5/6.

9/4E means the species was reported on 9/4, which was early for this county.

1/15-2/26(300H)→ means the species was first reported on 1/15, with a high count of 300 on 2/26, which was unusually high for this county. ✎

COUNTIES REPORTING - OCTOBER TO DECEMBER 1998



SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1998

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
LOON, RED-THROATED	-	-	-	-	-	11/2-26	-	-	10/13-12/19	11/21
COMMON	10/12	12/25	11/21-25	-	10/14-31	10/7-11/27(132)-12/24	→11/6	-	→12/27	10/26-11/21(11)-12/19
GREBE, PIED-BILLED	10/23	A	→11/25	12/19	10/14-31(30)-12/25	A-10/10(105)	-	-	→12/20(9)	A-10/31(25)
HORNED	-	10/23→	11/1-25	-	10/9	11/21	-	11/11	11/10-12/20	10/29-12/17(23)-19
CORMORANT, DOUBLE-CRESTED	-	10/22-25	→11/6	-	11/1	10/3-20(200)-11/13	-	-	A	10/4-12/19
HERON, GREAT BLUE	R	R-11/19(11)	A-11/15(5)	-	R	R	R	A	R	→12/19
EGRET, GREAT	-	-	-	-	-	→10/17	-	-	→12/19(17)	-
HERON, GREEN	-	-	-	→10/1	→10/11	-	-	-	→12/19	-
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	-	→12/19(7)	-
VULTURE, BLACK	R	-	-	-	A	R	-	-	R	-
TURKEY	-	-	-	-	A	R-11/7(60)	-	→10/20	R	→10/31
GOOSE, GR. WHITE-FRONTED	-	→10/28	→10/10(19)-11/15	-	A	12/23	-	-	11/7→	-
SNOW	11/19	-	11/3-22	-	-	10/22(38)-12/6	-	12/26	10/3→	R-11/8(600)
CANADA	-	R	R-11/11(254)	-	R	R	R	R-12/26(2395)	R	-
BRANT	-	-	-	-	-	-	-	-	-	-
SWAN, MUTE	-	-	→11/15	-	12/25	R	-	-	A	11/20-12/23(20)→
TUNDRA	11/12	-	11/15(164)	-	10/31-12/25	11/13-12/26(120)	-	-	11/26-12/26	→10/4(55)-11/8
DUCK, WOOD	R	R-10/18(25)	→11/10	A	-	A-10/30(70)	R	→10/19(28)	R	-
GADWALL	-	12/27	-	-	-	A-12/27(64)	-	-	10/7→	10/1-12/28
WIGEON, AMERICAN	-	11/5-19(3)-12/19	-	-	-	A-10/17(20)	-	10/29	A	→10/31(22)-12/19
DUCK, AMERICAN BLACK	12/19	R	A-11/10(9)	A	10/25(8)-31	A	-	R-12/26(121)	R	10/4-12/19(54)-28
MALLARD	R	R	R-11/21(27)	-	R-12/19(32)	R	R	R-12/26(293)	R	R-12/19(338)
TEAL, BLUE-WINGED	-	-	-	-	→10/31(44)	-	-	-	-	-
SHOVELER, NORTHERN	-	-	-	-	-	10/3(30)	-	-	11/28→	A-12/8(24)
PINTAIL, NORTHERN	12/19	-	11/4-10	-	-	10/3-10(6)-12/24	-	-	11/22(5)→	10/4-12/25(3)
TEAL, GREEN-WINGED	12/19(4)	-	→10/18(3)	-	→10/31	A-10/10(102)	-	12/11	A	→10/9(15)-11/15
CANVASBACK	-	11/12(5)-12/26	-	-	-	10/17-12/26(72)	-	-	11/26(5)→	10/28-12/5(15)→
REDHEAD	-	-	-	-	-	12/24(5)	-	-	-	10/29-12/24(3L)→
DUCK, RING-NECKED	-	11/4(3)	12/10→	-	10/31-11/1(35)	A-11/14(50)	-	-	A	→10/31(35L)-12/28
SCAUP, GREATER	-	-	-	-	-	10/3-11/13(12)-12/24	-	-	-	11/15-12/28
LESSER	-	-	-	-	-	10/11-12/24(8)-26	-	-	10/3→	10/9-12/19(4)
SCOTER, SURF	-	-	-	-	-	-	-	-	11/4	-
WHITE-WINGED	-	-	-	-	-	-	-	-	11/1	-
BLACK	-	-	-	-	-	10/4(3)	-	-	10/14-31	-
OLDSQUAW	-	-	-	-	-	-	-	-	10/14-12/30	11/8
BUFFLEHEAD	11/12(63)	11/4-12(12)→	10/31-11/15(3)	-	10/31-12/25(3)	10/22-11/13(83)-12/26	-	-	10/30→	10/31-12/19(79)→
GOLDENEYE, COMMON	-	12/26→	12/31	-	-	11/15-12/24(8)-29	-	-	11/12→	12/24→
MERGANSER, HOODED	12/19	11/5(5)→	11/4-13	-	10/19(9)-12/25	A	-	A-12/26(15)	10/20→	10/31-12/8(26)→
COMMON	-	-	12/31(50)	-	→12/25	11/8-12/24(24)→	-	R-12/26(135)	R	12/24-26(4)→
RED-BREASTED	-	-	12/31(4)	-	→10/31	-	-	11/11-12/26	10/20→	11/22
DUCK, RUDDY	-	10/10(10)→	-	-	10/14-19(5)-12/25	A-11/14(1000H)	-	10/29(7)-11/20	10/5→	A-12/19(1000H)
OSPREY	-	10/20	→10/10	-	-	→10/5(24)-11/18	-	-	→12/6	-
EAGLE, BALD	-	-	10/10-11/15	-	-	A-10/29(6)	-	A-12/26(6)	A	A(3)
HARRIER, NORTHERN	-	A	→10/31	-	-	A-10/29(20)	-	A	10/4→	10/29-12/19(4)
HAWK, SHARP-SHINNED	R	R	R-10/10(12)	-	A	R-10/19(440)	R	R	R	A
COOPER'S	R	R	R-10/10(8)	-	A	R-10/15(123)	R	R	R	R
GOSHAWK, NORTHERN	-	-	-	-	-	10/6-29(8)-12/15	-	12/26	-	-
HAWK, RED-SHOULDERED	R	R	-	-	-	10/5-30(30)-12/18	-	-	R	A
BROAD-WINGED	-	-	-	-	-	→10/19	-	-	-	-
RED-TAILED	R	R	R-10/11(24)	-	R	R-10/30(430)	R	R	10/23	-
ROUGH-LEGGED	-	-	-	-	-	10/23→	-	-	10/29	-
EAGLE, GOLDEN	-	-	-	-	11/1	10/4-30(18)-12/22	-	-	-	-
KESTREL, AMERICAN	R	R	R	-	R	-	R	R	R	R
MERLIN	-	10/11-12/25(3)→	10/10	-	-	→10/1(9)-11/26	-	-	10/3→	11/15-12/19
FALCON, PEREGRINE	-	R	-	-	-	10/1-4(6)-11/15	-	-	R	-
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	R	-

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
RAIL VIRGINIA	-	-	-	-	-	-	-	-	12/20(4)	-
COOT, AMERICAN	11/12(5)-19	10/10-29(9)→	10/16-11/13(54)-25	12/19(3)	→11/28(21)	A-10/3(200)	-	-	-	A-12/5(2500H)
KILLDEER	R	A-10/23(25)	→10/18(39)-11/13	→10/8(6)	→10/31(8)	R	-	→12/26(6)	A	→11/11(18)-12/28
YELLOWLEGS, GREATER	-	-	11/13	-	→10/31(3)	→10/15	-	-	→10/31	→10/4(5)-11/5
LESSER	11/5	-	-	-	-	→10/10(12)-11/6	-	-	→11/22	-
SANDPIPER, SOLITARY	-	-	-	10/8	-	10/10	-	-	→10/1	-
SPOTTED	-	→10/23	→10/18	-	-	10/8-11/15L	-	-	-	→10/4
LEAST	-	(L)	-	-	-	-	-	-	10/10	→10/2(3)-11/21L
PECTORAL	-	-	-	-	-	10/2(6)-8	-	-	-	→11/1(5)-3
DUNLIN	-	-	-	-	-	-	-	-	-	10/31-11/3
SNIPE, COMMON	→11/5(5)-19	-	-	→10/7	→10/31(3)	A-11/15(17)	-	-	10/11-12/27	→12/28L
WOODCOCK, AMERICAN	R	-	-	-	-	11/125	-	→11/20	10/18-12/26	→12/29L
GULL, BONAPARTE'S	-	-	11/25	-	-	10/10-12/18	-	-	11/7-12/30(67)	11/5-15(38)-12/28
RING-BILLED	-	P	A-11/15(159)	A	→12/25(12)	A	P	P	A	A-DEC(250H)
HERRING	-	R-10/25(12)	10/18-11/22(3)→	12/19	-	A	P	P	A	10/4-11/21(8)-12/28
LESSER BLACK-BACKED	-	-	-	-	-	-	-	-	10/20-12/7(73)→	-
GREAT BLACK-BACKED	-	-	-	-	-	11/8→	-	-	A	-
OWL, BARN	R	R	R	-	-	R	R	R	R	R
BARRED	R	R	R	-	R	R	R	R	R	R
LONG-EARED	-	12/29	-	-	-	-	-	-	10/31→	-
SHORT-EARED	-	A-11/20(13)	10/19→	-	-	-	-	-	-	-
NORTHERN SAW-WHET	-	-	-	-	-	10/25(15)-12/27	-	12/26(3)	R	-
SWIFT, CHIMNEY	-	→10/8(7)	-	-	-	→10/11	-	-	-	→10/2(200)-4
WOODPECKER, RED-HEADED	R	-	-	-	A	R	R	-	R	-
SAPSUCKER, YELLOW-BELLIED	10/4→	A-10/11(4)	-	11/14	12/13-12/31	A	A	-	A	→12/19
FLOCKER, NORTHERN	R	R-11/1(8)	R	12/19	R-11(6/5)	R	R	R-12/26(15)	R	A
WOOD-PEWEE, EASTERN	-	-	-	-	-	→10/5	-	-	-	-
PHOEBE, EASTERN	-	→10/11	-	-	→10/5	→12/27	→10/8	→10/12	→10/31	→10/10
SHRIKE, NORTHERN	-	-	-	-	-	-	-	-	-	10/25→
VIREO, BLUE-HEADED	-	→10/23	→10/18	-	-	→10/21(4)-27	→10/23	-	→10/24	-
RED-EYED	-	-	-	-	-	→10/7	-	-	-	-
CROW, FISH	-	-	-	-	-	R	-	-	R	-
RAVEN, COMMON	-	-	-	-	-	A-10/19(9)	-	-	-	10/9*
LARK, HORNED	-	R	A	-	R	A	R	R	12/27(65)→	A
SWALLOW, TREE	-	-	-	-	-	→10/1(750)-27	-	-	→10/24	→10/9L(20)
BARN	-	-	-	-	-	→10/31L	-	-	→11/29	→10/1L
CHICKADEE, CAROLINA	R	R	R	R	-	R	R	R	R	-
BLACK-CAPPED	-	R	R-11/25(8)	R	R	R	R	R	R	R
NUTHATCH, RED-BREADED	12/18	12/26→	-	-	-	-	-	P	12/19→	-
CREEPER, BROWN	R	10/8→	A	12/19(5)	12/14	A	R	R	R	A
WREN, HOUSE	-	→10/6	-	→11/14	-	→12/27	-	-	→10/4	-
WINTER	11/23	A	-	-	11/14	A	A	R	-	P
MARSH	-	-	-	-	-	-	-	-	10/4-7	-
KINGLET, GOLDEN-CROWNED	12/19(6)	A-11/1(10)	A-12/16(5)	12/6	10/31-12/25	R	-	R-12/26(146H)	A	A
RUBY-CROWNED	12/19	→10/18	-	-	-	A-10/13(42)	→10/27	-	A	P
GNATCATCHER, BLUE-GRAY	-	-	-	-	→11/2	→10/7L	-	-	-	-
THRUSH, GRAY-CHEEKED	-	-	-	-	-	-	-	-	-	P
SWAINSONS	-	→10/6	-	-	-	→10/3	-	-	-	P
HERMIT	-	→10/18	-	-	11/14-12/25	A-10/17(200+H)	→12/24	A	10/7→	-
WOOD	-	-	-	-	-	→10/9(3)	-	-	-	-
ROBIN, AMERICAN	R	R-10/7(50)	R-10/18(19)	-	-	R	A-11/18(120)	A	R	A
CATBIRD, GRAY	-	→10/11	-	-	→10/24	A	-	→10/2	-	→12/19L
THRASHER, BROWN	-	→10/5	-	-	→11/26	-	-	-	-	-
PIPIT, AMERICAN	-	-	-	-	-	A	-	11/11(8)	10/18(12)→	→10/4(30)-12/19L
WARBLER, TENNESSEE	-	-	-	-	-	→10/7	-	-	-	-
ORANGE-CROWNED	-	-	-	-	-	→10/18	-	-	12/19	-
NASHVILLE	-	-	-	-	-	→10/5	-	-	-	-

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
PARULA, NORTHERN	-	-	-	-	-	→10/27L	-	-	-	-
WARBLER, MAGNOLIA	-	-	-	-	-	→10/25	-	-	→10/14	-
CAPE MAY	-	→10/12	-	-	-	-	-	-	-	-
BLACK-THROATED BLUE	-	-	-	-	→10/3	→10/11	→10/6	-	-	-
YELLOW-RUMPED	12/19	A-10/11(100)	→10/25(7)	→12/20(10)	→10/3	A-10/13(70)	→10/27	A	A	A-10/28(200)
BLACK-THROATED GREEN	-	→10/4	-	-	-	→10/5(11)-27	→10/12	-	→10/10	→10/8
PINE	-	→10/23	-	-	→10/19	-	-	-	→10/25	→10/8
PALM	-	→10/15	-	-	-	→10/17(5)-12/27	→10/5	-	-	-
BLACKPOLL	-	→10/5	-	-	-	-	-	-	-	-
BLACK-AND-WHITE	-	-	-	-	-	→10/10	-	-	→10/18	-
OVENBIRD	-	→11/2L	-	-	-	→10/7	-	-	-	-
YELLOWTHROAT, COMMON	-	→10/11	-	-	-	A	-	-	→12/8	→10/10
WARBLER, WILSON'S	-	-	-	-	-	→11/12L	-	-	-	-
TANAGER, SCARLET	-	→10/11	-	-	-	→10/3	→10/10	-	→10/3	-
TOWHEE, EASTERN	-	A	-	-	-	A	→10/20	→10/13	R	P
SPARROW, AMERICAN TREE	-	11/15-12/29(40)	→11/10-12/20(35)	-	12/18	10/16	11/19	11/20	11/1	11/15
CHIPPING	-	→12/23	→11/7	-	→10/13	→10/26	-	-	→12/20	P
FIELD	→12/19	A	→10/12	→10/19	→10/3	A	-	A	R	→10/8(5)
VESPER	-	-	-	-	-	-	-	-	11/1	→10/9
SAVANNAH	-	-	-	-	-	A-10/30(12)	-	-	R	-
FOX	11/21	11/16	-	10/31	10/31-11/15	10/18-11/8(22)	11/19	-	10/20	11/28-12/23
LINCOLN'S	-	-	-	-	-	→10/4	-	-	→11/7	-
SWAMP	→12/19	A	-	-	→11/14	R	R	A	R	→12/19
WHITE-THROATED	10/22	A-10/18(20)	A	12/19(7)	10/3-15(12)	A	A	R	A	10/4(10)
WHITE-CROWNED	10/23	A	A	10/25	10/19-11/17	A	A	A	10/3	10/12-26(7)-12/19
JUNCO, DARK-EYED	10/22(8)	A	A-11/20(57)	10/30(3)	10/13-12/25(42)	A	A	R	10/6	10/4
BUNTING, SNOW	-	11/4	11/1(15)	-	-	10/6-11/13(22)-22	-	-	11/7	10/31-11/6
GROSBEAK, ROSE-BREADED	-	-	-	-	-	-	-	-	-	-
BUNTING, INDIGO	-	-	-	-	-	→10/9	-	-	-	-
BOBOLINK	-	-	-	-	-	→10/2	-	-	-	-
BLACKBIRD, RED-WINGED	-	A-11/1(10)	-	-	→11/1	-	→11/17(100+)	→10/29(200)-12/26	→10/7(7)	-
MEADOWLARK, EASTERN	R	-	A-10/4(650)	-	-	R	-	→10/12	R	→12/19
BLACKBIRD, RUSTY	-	-	A-10/19(9)	-	-	-	-	-	→10/2(8)-30	-
GRACKLE, COMMON	-	→12/3	-	-	-	10/9(4)-12/26	-	10/4-11/8	10/31-11/24	→12/19
COWBIRD, BROWN-HEADED	R	→10/24	-	-	-	-	-	→10/23(1200)-25	R	P
FINCH, PURPLE	A	A	-	-	10/23-12/8	-	12/11	A	R	A
SISKIN, PINE	12/19(8)	-	-	-	-	→11/4(12)-28	-	-	12/27(3)	-
GROSBEAK, EVENING	-	-	-	-	-	10/5-11/27(6)-29	-	-	-	-
-	-	-	-	-	-	10/25-11/2(9)-14	-	-	-	-

	CAMBRIA	CARBON	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	DAUPHIN	DELAWARE
LOON, RED-THROATED	-	-	11/18	-	-	-	-	11/1-21(77)-12/20	-	10/21
COMMON	→11/2(7)-12/25	A	12/26	10/24-11/7(3)-10	-	-	-	-	-	11/1-12/19
GREBE, PIED-BILLED	→10/20(7)-12/25	10/31	12/26	→10/24(11)-11/7	-	-	A	R-11/1(39)	→12/12	A-10/9(25)
HORNED	10/29-12/10	-	10/22(7)	10/15	-	-	-	11/1-15(10)-12/20	-	10/21(4)-11/21
CORMORANT, DOUBLE-CRESTED	→10/4(82)-11/9	→11/15	-	11/10	-	-	-	10/3-13(60)-12/27	→12/19L	A-10/14(88)
BITTERN, AMERICAN	-	-	-	-	-	-	-	-	-	12/5-6
HERON, GREAT BLUE	A-10/4(11)	A	R	A	-	-	R	R-11/15(15)	R	-
EGRET, GREAT	-	-	-	-	-	-	→10/11	-	→10/28	→12/19(94)
HERON, GREEN	→10/12	-	-	-	-	-	-	-	→10/7	-
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	-	→10/12	A
VULTURE, BLACK	-	-	R	-	-	-	-	-	R	R-12/19(8)
TURKEY	→10/21	R	R	-	→10/5	-	R	→10/13(3)	R	R

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	CAMBRIA	CARBON	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	DAUPHIN	DELAWARE
GOOSE, SNOW	-	-	P-12/19(216)	11/3-9	-	-	-	11/27-12/20(3)	11/15→	10/5-12/19(144)→
CANADA	R-12/23(400)	R	R	R-11/10(390)	-	R-10/1(32)	R	R-11/7(18000)	R	R-11/15(1830)
BRANT	10/25-11/9	-	-	11/5(5)-6	-	-	-	-	-	-
SWAN, MUTE	10/2-12/24	-	-	-	-	-	-	-	-	R
TUNDRA	11/15(125)-21	12/23(6)→	11/15	10/16(500)-11/21	-	-	-	11/7-14(130)-22	12/29(23)	12/19(32)→
DUCK, WOOD	→11/9	-	A	→10/25	10/5-11/3	10/5-17(9)	R	10/13-18(7)-12/13	→12/9	→12/19(4)
GADWALL	10/29	-	12/26	-	-	-	→11/24(3)	10/3-11/1(50)-12/27	A	10/19-21(7)→
WIGEON, AMERICAN	→11/2	-	-	-	10/5-11/3	-	10/10-11/5	10/3-11/1(50)-12/20	→12/12	A-10/10(6)
DUCK, AMERICAN BLACK	11/5-12/15(28)-31	P	P	11/10(24)-24	-	A	R	R-11/7(162)	R	R
MALLARD	R	R	R	R	-	R-11/12(12)	R	R-11/7(4200)	R	R
TEAL, BLUE-WINGED	→10/7(9)	-	-	-	-	-	-	→10/3(40)-11/1	→10/2(6)	→10/23
SHOVELER, NORTHERN	11/9(4)	-	-	-	-	-	10/10(4)	10/3-11/21(28)-12/26	→11/21	A-12/19(285)
PINTAIL, NORTHERN	-	-	-	-	-	-	-	11/1(25)	11/15-12/19	A-12/19(178)
TEAL, GREEN-WINGED	→11/5(8)	-	12/26(5)	-	-	-	→11/5	11/1-12/13(50)-27	→12/19	A-12/19(115)
CANVASBACK	-	-	12/26	-	-	-	-	11/14-12/26(12)-27	-	10/19-23
REDHEAD	-	-	-	-	-	-	-	11/1-12/27(10)	-	-
DUCK, RING-NECKED	11/13(17)-12/24	A-11/28(41)	12/26(4)	12/10(8)	10/5-11/3	-	-	10/18-11/15(72)-12/17	-	10/19-11/8(13)→
SCAUP, GREATER	11/8	12/5	-	-	-	-	-	-	-	12/8
LESSER	10/29(5)-12/24	-	10/22(8)	11/10(7)	-	-	-	11/7-8(45)-12/27	-	10/19
SCOTER, SURF	-	-	10/22	-	-	-	-	-	-	-
WHITE-WINGED	-	-	-	11/10(3)	-	-	-	11/7	-	-
BLACK	-	-	11/3	11/24	-	-	-	-	-	-
OLDSQUAW	-	11/25	11/6-21	10/24(3)-12/1	-	-	-	-	12/29(18)	12/5
BUFFLEHEAD	-	-	10/22→	11/7-10(6)	-	11/19	-	11/7-15(119)-12/27	11/12→	10/23-11/15(18)→
GOLDENEYE, COMMON	12/28-31(10)→	12/12→	-	-	-	A	-	11/7-26(2500)-12/27	12/19→	-
MERGANSER, HOODED	10/20-12/15(175)→	12/5-26(10)→	12/26(5)	11/7(4)	11/3	-	-	10/18-11/22(1833)-12/27	A	11/3-15(24)→
COMMON	11/2-5	12/23(4)→	12/26(9)→	10/11(7)	-	R	R	10/12-11/15(215)-12/20	10/19→	11/1-12/19(30)→
RED-BREADED	10/24-12/24(5)	-	-	-	-	-	→12/20	11/15-12/12(121)-20	-	-
DUCK, RUDDY	11/13(5)-12/28	12/26(5)→	10/22(8)	11/7-10(12)-12/1	-	-	→10/11(15)-11/12	10/13-11/7(140)-12/26	11/4-12/9(5)	10/7-11/11(105)→
OSPREY	→10/2(3)-14	→11/14	→10/22	→10/11	-	-	→10/12	-	→10/18	→10/24
EAGLE, BALD	-	→12/20	10/3-11/29	10/1-12/5*	-	-	-	R-12/26(6)	R	A-10/2(3)
HARRIER, NORTHERN	A	A	-	R-12/16(4)	-	-	R	10/18-12/6	A	A-10/17(4)
HAWK, SHARP-SHINNED	R	A	R	R-10/11(25)	-	R	R	11/14-12/20	A	A-10/17(34)
COOPER'S	R	A	R	R-10/11(4)	→11/5	R	R	11/1	R	R-10/17(6)
GOSHAWK, NORTHERN	-	-	-	-	-	R	12/20	11/1-12/25	10/20	10/20-12/19
HAWK, RED-SHOULDERED	-	10/26(14)	10/7-31	→12/11L	-	-	-	-	R	A-10/17(13)
BROAD-WINGED	-	→10/3	-	-	-	-	-	-	→OCT	→10/2(7)-5
RED-TAILED	R	R	R	R	R	R	R	R	R	R-11/1(45)
ROUGH-LEGGED	11/23→	-	-	-	-	-	-	11/1-12/19	-	-
EAGLE, GOLDEN	R	10/26	12/30*	-	-	-	-	11/14-15	10/11	10/31
KESTREL, AMERICAN	R	-	R	R	R	R	R	-	R	R
MERLIN	-	-	-	10/8(2)*	-	-	-	-	10/10-12/29	A
FALCON, PEREGRINE	-	-	-	-	-	-	-	10/3-13	→10/10	R
BOBWHITE, NORTHERN	-	-	R	-	-	-	-	-	-	-
RAIL, VIRGINIA	→10/7	-	-	-	-	-	-	-	-	→10/31
COOT, AMERICAN	→11/5(150)-12/21	-	12/26(100)→	10/24-11/24(24)-12/10	-	-	A-10/11(27)	10/3-12/20(650)-12/27	A-12/19(155)	10/7-11/15(70)→
PLOVER, AMERICAN GOLDEN	-	-	-	-	-	-	→10/3	→10/3	→10/4	-
KILLDEER	→10/18(30)-12/10	→12/17(3)	R	→10/24(10)	-	-	→12/20(4)	10/3-11/1(141)-12/20	A	R
YELLOWLEGS, GREATER	10/29(5)-11/5	-	-	-	→11/3	-	-	10/3-10/18(9)-11/7	→10/19	→11/3(19)-15
LESSER	10/10-18	-	-	-	-	-	-	10/3-18(16)-11/1	→10/21	→10/19(5)-11/8
SANDPIPER, SOLITARY	10/10	-	-	-	-	-	-	-	-	→10/2
SPOTTED	→10/14	-	-	-	-	-	-	-	-	→11/8
LEAST	-	11/4(50+)→	-	-	-	-	-	-	-	-
PECTORAL	10/10-18	-	-	-	-	-	-	10/3(3)-10/18	→11/12L	→10/4(52)-18
DUNLIN	-	-	-	-	-	-	-	10/12-11/1(35)-22	-	-
SNIPE, COMMON	10/29-11/2	-	DEC→	-	-	10/7	-	10/3-11/1	-	A
WOODCOCK, AMERICAN	→11/26	-	→12/19	→11/24	-	-	→12/20	-	-	A

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	CAMBRIA	CARBON	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	DAUPHIN	DELAWARE
GULL, BONAPARTE'S	11/5(7)	-	11/16	10/24-11/7(90)-12/1	-	-	-	11/7(450)-12/20	11/7-12/18	-
RING-BILLED HERRING	A-11/27(85)	-	A	12/1	-	-	→12/20	A-11/21(4125)	A	A
LESSER BLACK-BACKED OWL, BARN	-	-	12/26	-	-	-	→12/20(5)	A-10/13(179)	A	A
BARRED LONG-EARED SHORT-EARED NORTHERN SAW-WHET	R	R	R	R	R	R-9/1(6)	R	R	R	-
SWIFT, CHIMNEY HUMMINGBIRD, RUBY-THROATED WOODPECKER, RED-HEADED SAPSUCKER, YELLOW-BELLIED FLICKER, NORTHERN WOOD-PEWEE, EASTERN PHOEBE, EASTERN SHRIKE, NORTHERN VIREO, BLUE-HEADED RED-EYED CROW, FISH RAVEN, COMMON LARK, HORNED SWALLOW, TREE CHICKADEE, CAROLINA BLACK-CAPPED NUTHATCH, RED-BREADED CREEPER, BROWN WREN, HOUSE WINTER	→10/15 →10/29	→11/14	→12/19	→10/11	→10/5	-	-	12/20	→10/26	→10/21 →10/2
MARSH KINGLET, GOLDEN-CROWNED RUBY-CROWNED GNATCATCHER, BLUE-GRAY THRUSH, GRAY-CHEEKED SWAINSONS	→10/15 A 10/9-11/12	11/31 10/3(6)	A A	-	10/5-11/3 10/5	R-11/30(5)	-	A-12/13(4) A-12/13	A A	A A-10/25(18) →12/19L 10/7
HERMIT WOOD ROBIN, AMERICAN CATBIRD, GRAY THRASHER, BROWN PIPIT, AMERICAN WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	→10/11 →10/2	10/25 R-10/24(75)	A R	→10/11 R-10/8(600)	-	-	-	-	R R	10/17-21(5)→ R-10/8(900)
WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	→10/10	→10/23	A	-	-	→12/5	R-12/20(648)	→10/3	A	A-10/2(20) →11/8
WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	10/30	-	-	-	-	-	-	10/18(4)	→10/10	10/19-11/5(8)-15 12/13-19 →10/15 →10/2
WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	→10/3	-	-	-	→10/5	-	-	-	→11/13L	→9/13(5)-10/5
WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	→11/2	-	A	→11/3	→10/5	A	→10/3	-	→10/10	→10/3(4)-7 →10/3(48)
WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	-	-	-	→10/18	-	-	→10/4	-	→10/12 →10/28	A-10/25(9) →11/8
WARBLER, ORANGE-CROWNED NASHVILLE PARULA, NORTHERN WARBLER, MAGNOLIA CAPE MAY	→10/7 10/2	-	A	-	-	-	-	-	→10/10	→10/5 A

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	CAMBRIA	CARBON	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	DAUPHIN	DELAWARE
TANAGER, SCARLET	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	→10/30	-	R	-	→10/5	→10/15	→12/20	→10/13	A	→10/3
SPARROW, AMERICAN TREE	10/30-12/10(62)→	-	11/11→	10/31-12/14(75)→	-	11/15-12/31(6)→	11/4-12/20(670)→	11/14-21(20)-12/26	12/2→	11/9-12/19(35)→
CHIPPING	→10/29	-	R	→9/19(6)	-	→10/6	-	-	→12/19(6)	→10/20(24)-12/19
FIELD	→10/15	-	R	-	-	-	A	-	A	R
VESPER	-	-	→10/17	-	-	-	-	-	-	10/24-11/1
SAVANNAH	-	-	-	-	→10/5	-	-	-	-	A-10/8(10)
FOX	11/2(11)-13	-	11/29→	-	11/5	-	A	-	11/8-12/19	10/27-11/12(9)→
LINCOLNS	-	-	10/2-17	-	→10/5	-	→10/5	-	10/16-26	→10/27
SWAMP	→10/2(13)-12/26	-	R	-	→10/5	R	A	10/13→	A	R
WHITE-THROATED	10/2→	A-10/19(5)	P	A	→12/17	A	A	10/13→	A	A
WHITE-CROWNED	10/24(8)	-	A	A	10/5	10/8	A	11/7	10/11→	10/24(4)→
JUNCO, DARK-EYED	A	-	P	R	R	R-12/31(12)	A	10/13→	10/27→	A
BUNTING, SNOW	12/24	-	11/22	11/5	-	-	-	11/15(4)	-	11/8-12/6
GROSBEEK, ROSE-BREADED	-	-	-	-	-	-	-	-	-	→10/2
BUNTING, INDIGO	-	-	-	-	-	-	-	-	-	10/3
BLACKBIRD, RED-WINGED	A	-	R	A-10/8(70)	-	-	→12/20	-	A	R
MEADOWLARK, EASTERN	.10/20(3)	-	-	-	-	-	→12/20(18)	-	→OCT	10/5-29
BLACKBIRD, RUSTY	10/2-29(850)-11/3	-	10/18	10/8(40)	-	-	-	10/3(45)-12/6	-	10/8-21(12)→
GRACKLE, COMMON	→10/30(2500)-12/17	-	R	-	-	-	-	→11/7	→12/19	R
COWBIRD, BROWN-HEADED	→11/9(250)-12/10	-	R	-	-	→11/31(10)	-	-	R	R
FINCH, PURPLE	10/3	-	-	-	-	-	A	-	10/25→	12/19
SISKIN, PINE	-	-	12/26	11/26	-	-	12/20	-	12/29→	-

	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LANCASTER
LOON, RED-THROATED	10/20-11/13(7)-12/30	-	-	-	-	-	-	-	-	12/20
COMMON	10/2	11/2	12/2	10/22(13)-12/4	-	10/21(16)-11/7	10/9-11/7	11/10-14	-	11/29-12/26(8)→
GREBE, PIED-BILLED	A	→12/4	→11/15	11/8	-	A	A-12/29(13)	11/4(3)-12/5	-	A-12/26(10)
HORNED	A-11/14(1927)	11/2	10/7-19	-	-	11/27-12/29	10/10-11/7	11/14-23	-	12/26
CORMORANT, DOUBLE-CRESTED	A-10/21(441)	-	-	-	-	→10/21	→10/9(338)-23	11/10(4)	→10/15(4)	-
BITTERN, AMERICAN	11/15	-	-	-	-	-	→11/3	-	-	A
HERON, GREAT BLUE	R	R	R	A	R	R	A	-	A	R-12/27(60)
EGRET, GREAT	-	-	-	-	-	-	-	-	→10/5	→10/11(3)
HERON, GREEN	-	-	-	-	-	-	-	-	A	-
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	-	-	A
VULTURE, BLACK	P	-	→11/31	-	-	R	-	-	A	-
TURKEY	11/12(7)	-	R	→10/30	-	R	-	-	A	-
GOOSE, GR. WHITE-FRONTED	11/12	-	11/20-21	→10/7(14)-27	→10/24	R	→10/10(8)-24	-	A	12/27
SNOW	11/12	R	R-10/27(212)	R-12/4(171)	R-11/28(50+)	11/11(4)	-	-	-	12/7-27(20500)→
CANADA	R	-	-	-	-	R	R-12/24(400)	R	R	12/27(3)
SWAN, MUTE	→NOV	→12/10	11/13(100)-12/31	-	-	11/7-13(750)→	10/20-12/24(100+)→	11/23(4)→	10/11(200+)	11/29-12/27(385)→
TUNDRA	10/17	11/2-6(32)-20	10/6-22	-	-	→10/24(300)-12/20	A-10/23(11)	P	P	→10/18(20)
DUCK, WOOD	A	R	11/6-22	-	-	11/7-11(8)	10/20-12/24(30)-29	-	-	10/11→
GADWALL	A	11/6	12/17(6)	-	-	-	→11/7(11)-12/26	-	-	A-12/26(12)
WIGEON, AMERICAN	A	11/6(19)	10/14-11/8	-	-	11/4→	10/24-11/7(33)-12/29	-	-	12/7-27(255)→
DUCK, AMERICAN BLACK	A	12/10	10/2-12/28(7)	11/16-12/21(8)-28	-	11/4→	-	-	R	-
MALLARD	A	R	R	R-12/28(10)	R	R-10/24(200)	R-11/3(247)	R-11/23(23)	R	-
TEAL, BLUE-WINGED	-	-	-	-	-	→11/11(35)	-	-	-	-
SHOVELER, NORTHERN	→11/11(25)-12/28	-	-	-	-	-	11/7-26	-	-	A-12/27(80)
PINTAIL, NORTHERN	A	10/8	10/8	12/21(4)	-	11/11(15)-12/29	12/23-26	-	-	10/25(3)→
TEAL, GREEN-WINGED	→12/22(3)	-	A-10/6(55)	-	-	→10/3(15)-12/23	-	-	12/19	A-12/27(22)
CANVASBACK	A	-	11/2-5	-	-	-	12/24-29	-	-	12/26

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	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LANCASTER
REDHEAD	A	11/6(4)	-	-	-	-	12/24(4)	-	-	-
DUCK, RING-NECKED	A	11/6(28)-12/4	-	11/16(9)	-	12/1→	10/16-12/24(34)-29	-	-	12/26(40)→
SCAUP, GREATER	A	-	-	-	-	-	12/24-29	P	-	-
LESSER	A	-	-	11/19-12/1	-	-	12/24-26(24)	P	-	12/26→
SCOTER, SURF	10/1-21(30)→	-	-	-	-	-	11/7	-	-	-
WHITE-WINGED	10/2-11/13(27)-12/27	-	-	-	-	-	-	11/10-14	-	-
BLACK	10/22-31(60)-12/17	-	-	-	-	-	-	-	-	-
OLDSQUAW	10/22-11/1(19)→	-	-	-	-	10/31-12/29(6)	-	-	-	-
BUFFLEHEAD	10/21(6)→	11/6(204)-12/4	11/2-14(9)-15	11/16(8)-12/1	-	11/2-12(75)→	10/28-29(14)-12/26	11/10-12/5	-	12/7-26(27)→
GOLDENEYE, COMMON	A	12/4(3)	-	-	-	12/5→	12/24-29(8)	11/10	-	12/26(102)→
MERGANSER, HOODED	A	11/6-12/4(157)-10	11/4-13(9)-12/9	12/9	-	NOV→	A-12/24(22)	12/5	-	12/7-27(41)→
COMMON	A	-	-	-	-	-	-	A	12/19(14)→	12/7-26(61)→
RED-BREASTED	A-11/12(826)	-	-	-	-	11/27-12/29(6)→	12/24-29	-	-	12/27
DUCK, RUDDY	A	11/6(350)-12/10	-	11/16(9)-12/9	-	10/31-12/29	10/10(29)-12/29	11/10(4)-14	-	A
OSPREY	→10/25	-	→10/17	→10/17	-	→11/5	-	→10/10	-	→10/25
EAGLE, BALD	P	-	-	→10/17	-	A	-	11/24	→10/10	R
HARRIER, NORTHERN	P	12/10	10/16(3)-19	→10/30	R	A	A-12/13(3)	R	A	A
HAWK, SHARP-SHINNED	R	R	A	R	R	R	R	R	R	R
COOPER'S	R	R	R	R	R	R	R	R	R	R
GOSHAWK, NORTHERN	-	-	-	-	-	-	12/26	-	-	-
HAWK, RED-SHOULDERED	-	R	-	→10/30	12/9-21	R	A	-	-	A
RED-TAILED	R	R	R	R	R	R	R	R	R	R
ROUGH-LEGGED	-	-	11/23	-	-	10/30→	-	-	12/19	-
EAGLE, GOLDEN	-	-	-	-	-	10/2→	-	-	11/29	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R
MERLIN	10/25-11/12	-	-	-	-	→10/21	-	-	10/10	12/5
FALCON, PEREGRINE	10/13→	-	-	→10/7	-	10/10(7)-20	10/6	-	-	12/20
BOBWHITE, NORTHERN	-	-	R	-	-	-	-	-	-	-
RAIL, VIRGINIA	-	-	-	-	-	10/24	-	-	-	-
COOT, AMERICAN	A	11/6(35)-20	10/22-11/4	-	-	A-11/12(18)	A-10/20(860)	-	-	A-12/26(283)
PLOVER, AMERICAN GOLDEN	10/1-13	-	-	-	-	-	-	-	-	→10/24(65)
KILLDEER	→NOV	-	R	→10/28(11)-11/8	R	A	A-10/13(53)	P	A	R
YELLOWLEGS, GREATER	→10/11	-	→10/21	-	-	-	→10/9(6)-13	-	-	→10/18
LESSER	-	-	→10/14	-	-	-	-	-	-	→10/3
SANDPIPER, SOLITARY	-	-	→10/13(3)	-	-	-	-	-	-	-
SPOTTED	-	-	→10/9	-	-	-	→10/13	-	-	-
LEAST	-	-	-	-	-	-	-	-	-	→10/3
PECTORAL	-	-	→10/13(8)	-	-	-	→10/6(4)-13	-	-	→10/25
DUNLIN	→12/1	-	10/5(4)-7	-	-	-	→11/3(6)-7	-	-	10/18
SNIPE, COMMON	P	-	→11/20	-	-	→11/1	→10/6(14)-11/7	-	P	A-10/18(8)
WOODCOCK, AMERICAN	P	-	-	-	-	-	→12/26	-	P	A
GULL, BONAPARTES	A	-	-	-	-	10/27	10/20-12/22(350)	-	-	10/18-21(20)
RING-BILLED	A	11/6(13)	10/19	11/19	-	-	→12/22(1200)-26	P	A	A
HERRING	A	-	-	-	-	-	12/26-29	-	A	A
LESSER BLACK-BACKED	-	-	-	-	-	-	-	-	-	12/26
GREAT BLACK-BACKED	A	-	-	-	-	-	-	-	A	A
OWL, BARN	-	-	R	-	-	-	-	-	R	-
BARRED	R	R	R	R	R	R	R	R	R	R
LONG-EARED	11/8	-	-	-	-	-	-	-	12/5	-
SHORT-EARED	11/8	-	-	-	-	-	12/7-13(5)→	11/10→	-	-
NORTHERN SAW-WHET	11/1-12/5	-	-	-	-	-	-	-	-	12/26
SWIFT, CHIMNEY	-	-	→10/7	-	-	→10/5(25)	→10/10(4)	-	→10/4(6)	→10/3
HUMMINGBIRD, RUBY-THROATED	-	-	→10/18	-	-	-	→10/4	-	-	-
WOODPECKER, RED-HEADED	P	-	-	-	-	A	-	-	-	A
SAPSUCKER, YELLOW-BELLIED	P	-	10/11-12/16	10/30	-	A	-	-	11/22	A
FLICKER, NORTHERN	-	-	A	R	R	R	A-11/1(4)	R	10/25(5)→	12/26→
PHOEBE, EASTERN	P	-	→10/7(5)-10	-	-	→12/20	→10/13	-	A	A

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	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LANCASTER
SHRIKE, NORTHERN	10/23→	-	-	-	-	10/31-11/29	12/24	-	-	-
VIREO, BLUE-HEADED	-	-	-	-	-	→10/17	→10/17	-	→10/25	-
RED-EYED	→OCT	-	-	-	-	-	-	-	-	-
CROW, FISH	-	-	A	-	-	-	-	-	-	R
RAVEN, COMMON	-	R	R	R-10/25(11)	R	R	R	R	R	-
LARK, HORNED	P	-	R	R	-	-	12/26(31)	R	R	12/5-27(1476)→
SWALLOW, TREE	-	-	→10/7(72)-16	→10/1(12)	-	→10/21	→10/3(14)-6	-	→10/4(25)	→10/25
BARN	-	-	-	-	-	-	-	-	-	→10/25
CHICKADEE, CAROLINA	R	R	R	R	R	-	-	-	-	R
BLACK-CAPPED	R	R	R	R-11/8(8)	-	-	R-11/27(34)	R	R	R
NUTHATCH, RED-BREADED	P	-	R	R	-	-	R-12/26(3)	A	-	-
CREEPER, BROWN	P	-	A	R	-	-	A-11/29(4)	R	R	A
WREN, HOUSE	→OCT	-	-	-	-	-	-	-	-	-
WINTER	P	-	12/16	-	-	A	A	A	A	12/26→
MARSH	P	-	-	-	-	-	-	-	-	→10/18
KINGLET, GOLDEN-CROWNED	A	12/10(5)	10/11-16	A-11/20(5)	A	10/4(4)→	A-12/20(28)	A	A	A
RUBY-CROWNED	P	-	10/11	-	-	A	→10/7(9)-12/24	P	A	A
THRUSH, GRAY-CHEEKED	→OCT	-	-	-	-	-	-	-	-	-
SWAINSONS	→OCT	-	-	-	-	-	-	-	-	-
HERMIT	P	-	-	-	-	R	10/13-12/26	A	A	P
WOOD	-	-	-	-	-	-	-	-	-	→10/3(5)
ROBIN, AMERICAN	R	-	R	R-10/24(400)	R	R	R-10/7(68)	R-12/5(200)	A	R
CATBIRD, GRAY	P	-	→10/7	-	→10/4	A	→10/6(4)-12/26	-	-	A
THRASHER, BROWN	→OCT	-	→11/12	-	-	-	-	-	-	A
PIBIT, AMERICAN	P	-	10/16-28(53)-11/14	-	-	-	→10/13	-	A	A-12/26(150)
WARBLER, TENNESSEE	-	-	-	-	-	-	.10/3	-	-	-
MAGNOLIA	→OCT	-	-	-	-	-	-	-	-	-
CAPE MAY	-	-	-	→10/9	-	-	-	-	-	→10/3
BLACK-THROATED BLUE	-	-	-	→10/9	-	-	→10/6	-	-	-
YELLOW-RUMPED	A	-	→10/11	-	A	→12/20	A-10/23(28)	-	A	A
BLACK-THROATED GREEN	→OCT	-	-	→10/9	-	→10/7	→10/2	-	-	→10/3
PINE	-	-	-	-	-	-	A	-	-	A
PALM	→OCT	-	-	-	-	-	→10/13	-	-	→10/18
BLACKPOLL	→OCT	-	-	-	-	→10/11	→10/7	-	-	-
OVENBIRD	-	-	-	-	-	→12/20	-	-	-	-
YELLOWTHROAT, COMMON	-	-	-	10/9	-	-	→10/3(4)-10	-	-	→11/29
WARBLER, WILSON'S	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	P	-	P	A	-	→12/20	-	-	→12/19	A
SPARROW, AMERICAN TREE	OCT→	-	12/16→	P	-	11/7→	11/7-20(16)→	12/5(27)→	11/22(6)→	11/29-12/27(355)→
CHIPPING	P	-	→10/12	-	→10/27	→10/19	→10/23(11)-12/26	P	A	→12/20
FIELD	P	-	-	R	-	R	A-10/20(7)	P	A	R
VESPER	P	-	-	-	-	-	-	-	-	R
SAVANNAH	P	-	→10/16(15)	-	-	-	-	-	→12/19	R
FOX	P	-	-	11/8	-	10/31→	10/12-11/2(4)→	11/10	10/25→	-
LINCOLN'S	P	-	-	-	-	-	→10/13	-	→10/11	-
SWAMP	A	12/10	→10/16	11/8	-	→12/20	A-10/6(10)	P	→10/25	A
WHITE-THROATED	A	-	10/11→	A-11/8(80)	10/4→	A	A-10/10(16)	A	A-10/4(6)	A
WHITE-CROWNED	OCT→	-	10/15-16(9)→	-	10/22→	10/8→	10/6-14(6)-27	-	A	10/3-12/27(74)→
JUNCO, DARK-EYED	A	12/10(32)→	10/12→	A-12/30(101)	10/15→	R	A-11/27(38)	R	A-10/11(6)	10/13→
BUNTING, SNOW	10/23(9)→	-	-	-	-	10/31-12/20	10/23→	-	11/10-15	12/5→
GROSBEAK, ROSE-BREADED	-	-	-	-	-	-	→10/15	-	-	→10/3
BOBOLINK	-	-	-	-	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	P	-	A	-	-	→12/20(15)	A-11/21(1220)	P	A	A
MEADOWLARK, EASTERN	P	-	-	R	→11/27	→12/24	-	P	A	A
BLACKBIRD, RUSTY	P	-	-	-	-	-	→10/17(12)-11/1	P	→12/19	12/27(44)
GRACKLE, COMMON	P	-	A	-	.11/29(10)	.12/20	A-10/6(7475)	P	A	R
COWBIRD, BROWN-HEADED	A	-	A	-	-	A	A-12/26(9)	P	A	R

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	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LANCASTER
FINCH, PURPLE	P	-	-	-	-	11/1→	A-10/17(6)	R	A	12/27(34)→
SISKIN, PINE	-	-	-	-	-	-	-	-	-	12/27(96)→
GROSBEEK, EVENING	-	-	-	-	-	-	12/26	-	-	-
LOON, COMMON	-	10/11	10/3-16(16)→	10/17-11/15	11/7-30(3)	-	-	11/4	10/17-11/23(3)	P
GREBE, PIED-BILLED	-	A	A	10/17-31	11/6	-	-	→10/4(7)-12/24	11/1-12/20	A
HORNED	-	-	11/1-20	-	-	-	-	10/4-30	10/24-31	10/24
CORMORANT, DOUBLE-CRESTED	-	-	10/22(100)-11/7	-	10/8(34)-19	10/20	-	→10/22(500+)-11/28	→10/31	P
HERON, GREAT BLUE	R	R	R	→10/31	A	R	A	A	R	R
EGRET, GREAT	-	-	→10/4(6)	-	-	-	-	→10/11(3)	→10/17	P
HERON, GREEN	-	-	-	-	-	-	→10/24	-	-	P
NIGHT-HERON, BLACK-CROWNED	10/31*	-	-	-	-	-	-	-	-	P
VULTURE, BLACK	-	R-12/21(83)	-	-	-	A	-	R-10/7(83)	-	P
TURKEY	→11/14	R-12/21(2500)	→10/14(76)-11/15	→10/28(40+)-11/14	→10/31	A	→12/27(3)	R-12/21(32)	→10/19	A
GOOSE, GR. WHITE-FRONTED	-	-	11/15(6)	-	11/9	-	-	12/20→	-	-
SNOW	-	A-12/27(20000)	→12/27	-	10/17-11/15	-	-	→10/10(250+)-12/28	-	-
CANADA	R-10/25(500+)	R	R	R-10/31(150+)	R	R(200+)	R	R	R-12/20(3550)	R
BRANT	-	-	-	-	-	-	-	11/28-29	-	R
SWAN, MUTE	-	A	P	-	-	-	-	-	10/24	-
TUNDRA	11/6-15(151)	11/11(20)→	-	-	11/6-13(300+)	-	-	11/12-22	-	A
DUCK, WOOD	R	-	R	-	10/10(8)-12/29	R(5)	P	→10/20(49)-11/16	-	-
GADWALL	12/31(9)	A-12/21(7)	-	-	10/19-11/15(34)	-	-	10/12-29(30)-12/6	10/23-12/12(9)	-
WIGEON, AMERICAN	-	-	-	-	11/9	-	-	→11/2(10)-12/7	10/25-11/22	P
DUCK, AMERICAN BLACK	11/7-12/31(30)→	R	R	→12/15(4)	11/7	-	A	10/6-12/7(200+)	A-12/12(317)	A
MALLARD	R-12/31(150)	R	R	R-12/15(37)	R	R	R	R	R-12/12(533)	R-10/25(13)
TEAL, BLUE-WINGED	-	-	-	-	-	-	-	-	-	P
SHOVELER, NORTHERN	12/3	→12/21(6)	12/31→	-	11/5	11/20(3)	-	→10/8(38H)-12/21	-	-
PINTAIL, NORTHERN	11/7	10/11-12/21(55H)	-	-	12/21L(9)	11/10(3)	-	10/3(17)→	10/24	-
TEAL, GREEN-WINGED	11/15(6)	10/11-12/21(24)-24	-	-	11/15	-	-	→10/19(219)-12/28	10/24(13)-12/12	-
CANVASBACK	-	10/11(3)	11/8→	-	-	-	-	11/22-29	-	P
REDHEAD	-	12/24(4)	-	-	11/7	-	-	-	-	-
DUCK, RING-NECKED	11/14-15(29)→	10/25-12/19(12)	10/22(14)→	→10/31(7)-12/15	11/26-12/26L(30)	-	-	10/6-12/21(8)-24	10/25-12/5(9)	P
SCAUP, GREATER	-	-	11/8	-	-	-	-	-	-	-
LESSER	-	10/11→	10/11→	11/29-12/15(3)	-	-	-	10/30-11/8(4)	-	→10/25
SCOTER, BLACK	-	-	10/29-11/1(40H)-11/2	-	-	-	-	-	-	-
OLDSQUAW	-	-	12/1→	-	-	-	-	-	12/5(4)	-
BUFFLEHEAD	11/26(5)	10/22-12/24	10/29(12)→	→11/15(13)-29	11/6(75)	-	-	11/8-12/15(30)-24	11/6(9)-12/20	A-10/24(3)
GOLDENEYE, COMMON	-	12/24	12/1-19(64)→	-	-	11/20(3)	P	12/6	-	P
MERGANSER, HOODED	A	12/21(5)-24	11/17-12/19(28)→	→12/15(8)	10/24	11/20(6)	-	10/29-12/19(16)→	11/25-12/5(47)-12	-
COMMON	-	12/19-24(13)	R	→12/15	11/26	11/20(12)	R	11/5→	10/12-12/20(80)	R
RED-BREASTED	10/14	-	10/29(7)→	-	-	-	-	-	11/6	-
DUCK, RUDDY	10/14	10/11E-12/24(23H)	10/22-11/7(105H)→	→11/15(8)-29	10/24(30)-12/15	11/20	-	10/2-24(27)-12/23	11/12(4)	10/14→
OSPREY	→11/7	P	→11/12	→11/13	-	→10/10(5)	P	→11/15	10/1-11/7	→10/13
EAGLE, BALD	-	A	A-10/2(6)	A-10/24(3)	A	10/6(6)	-	A-11/29(3)	-	A-11/20(3)
HARRIER, NORTHERN	R-12/5(4)	R	R	10/31	R	10/17(11)	-	10/18-12/23	10/6-11/7	.10/5
HAWK, SHARP-SHINNED	R	R	R-10/10(20)	R	R	R-10/14(73)	R	R	A	R
COOPER'S	R	R	R	R	R	R	R	R	P	R
GOSHAWK, NORTHERN	-	R	R	R	10/9*	-	-	-	-	R
HAWK, RED-SHOULDERED	R	R	R-10/29(5)	-	R	-	-	11/17	-	R
BROAD-WINGED	→10/31	-	-	-	-	→10/2	-	→10/19	-	P
RED-TAILED	R	R	R-10/29(171)	R	R	R-11/14(87)	R	R	R	R
ROUGH-LEGGED	10/31→	12/27→	-	-	11/21	12/30→	-	10/16→	-	P

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	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONROE	MONTGOMERY	MONTOUR	PIKE
EAGLE, GOLDEN	-	P	10/22-29	-	-	OCT-NOV	-	10/12	-	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R
MERLIN	-	P	→10/14	→12/28	10/21	-	-	10/27-11/17	-	-
FALCON, PERGRINE	-	P	R	-	-	-	-	10/10	-	-
BOBWHITE, NORTHERN	-	-	10/21	-	-	-	-	-	-	-
COOT, AMERICAN	11/1(17)→	10/11-11/1(26)	A	10/31	10/24-11/7	-	-	→10/4(3)	10/15-11/1(17)-12/20	A
PLOVER, AMERICAN GOLDEN	-	-	-	-	-	-	-	→10/4(3)	-	-
KILLDEER	→11/15	R	A	→12/20	→11/30	R-11/18(23)	→12/27	A-11/21(57)	→10/12(58)-11/23	→10/2(6)
YELLOWLEGS, GREATER	-	→10/21(3)-11/1L	-	-	10/9-11/1(7)	-	-	→10/8	-	P
LESSER	-	→10/25(6)-11/1L	-	-	10/9-19(18)-11/1	-	-	→10/8	-	P
SANDPIPER, SOLITARY	-	-	-	-	-	-	-	-	-	P
SPOTTED	-	-	→10/6	-	-	-	-	-	→10/14	→10/2
LEAST	-	→10/21L	-	-	10/9	-	-	→10/10	-	-
PECTORAL	-	→10/18(8H)-21	→10/4(5)	-	10/9-19(12)-11/1	-	-	→10/149(12)	-	-
DUNLIN	-	10/17-21	-	-	10/19-11/1(26)	-	-	10/8(5)-14	-	-
SNIBE, COMMON	A-11/15(15)	P	.10/3	-	A-11/15(14)	-	→12/27	→10/18(4)-25	-	→10/2
WOODCOCK, AMERICAN	A	P	→10/10(8)-11/1	→10/24	P	→11/21	-	-	-	P
GULL, BONAPARTES	-	-	11/26	-	11/18(5)	-	-	10/4-11/8	-	-
RING-BILLED	A-12/31(200+)	A	A	10/31-11/15(30)	11/7(3)	-	P	A-12/19(50)	-	A
HERRING	A-12/31(6)	10/21-11/1(237)→	11/17(6)→	-	11/7(3)	12/18	P	10/27→	-	A
LESSER BLACK-BACKED	-	12/19(4)	-	-	-	-	-	-	-	-
GREAT BLACK-BACKED	-	11/11-12/19(32)→	-	-	-	-	-	-	-	P
OWL, BARN	R	-	-	R	-	-	-	-	-	-
BARRED	R	R	R	R	R	R	R	R	R	R
LONG-EARED	-	-	-	-	-	-	-	-	12/6-20(6)	-
SHORT-EARED	A	12/19	-	-	-	-	-	-	-	-
NORTHERN SAW-WHET	-	-	-	-	-	11/16	-	-	-	P
SWIFT, CHIMNEY	P	→10/11L	→10/17	-	→10/6	-	-	-	→10/5(65)	-
HUMMINGBIRD, RUBY-THROATED	P	-	-	-	-	→10/9	-	-	-	→10/21
WOODPECKER, RED-HEADED	P	P	10/23→	-	10/18	11/29	10/24→	10/21	-	A
SAPSUCKER, YELLOW-BELLIED	-	-	→11/12	-	12/6	12/20	R	A	R	R
FLICKER, NORTHERN	R	R	R-12/19(6)	-	R	-	R	R	R	R
WOOD-PEWEE, EASTERN	P	-	-	-	→10/3	-	-	-	-	P
PHOEBE, EASTERN	P	-	→10/6	-	P	→11/20	→10/5(3)	→10/31	-	→10/5
SHRIKE, NORTHERN	-	-	12/19→	-	10/20*	-	-	-	-	-
VIREO, BLUE-HEADED	-	→10/25(6)	→10/26	→10/3	→10/9	-	→10/5	→10/20	-	P
RED-EYED	-	-	-	→10/2	-	-	-	-	-	P
CROW, FISH	-	R	R	-	-	-	-	→10/30(300+)-12/23	A	A
RAVEN, COMMON	R	R	R	R	-	R	-	-	-	R
LARK, HORNED	R-12/31(500+)	R	R	-	-	12/9	-	11/28	→10/2(220)-14	P
SWALLOW, TREE	-	→10/21(1500)L	→10/22(5)	-	→10/19(3)	-	-	→10/21	-	P
BARN	-	-	-	-	-	-	-	-	-	P
CHICKADEE, CAROLINA	-	R	-	-	-	-	-	R	-	-
BLACK-CAPPED	R	R	R	R	R	R	R	-	R	R
NUTHATCH, RED-BREASTED	-	-	-	-	-	-	-	-	10/25	-
CREEPER, BROWN	A	R	R	R	P	12/8-9	R	10/1→	-	R
WREN, HOUSE	-	-	→10/22	-	-	-	→10/4	-	-	P
WINTER	A	R	-	-	-	12/10(3)	R	→10/31	-	R
MARSH	-	-	→10/13	-	→10/4(4)-27	-	-	-	-	-
KINGLET, GOLDEN-CROWNED	A-10/25(7)	R	R	→10/3	10/17-20	-	10/3→	→10/5(20+)-12/20	12/20(4)→	R
RUBY-CROWNED	P	A	A	→11/14	A-10/28(6)	12/10(5)	10/4(15)-12/19	→10/5(35+)-11/14	-	A
THRUSH, SWAINSONS	-	-	→10/6	-	10/28	12/20	10/4	-	-	-
HERMIT	A	R	A	-	10/10	-	A	10/14-11/19	-	A
WOOD	-	-	-	-	→10/13	-	-	-	-	-
ROBIN, AMERICAN	R	R	R	R	A	R	R	R	R	-
CATBIRD, GRAY	P	-	→10/10	-	→10/4	→12/20	→12/27L	→12/21	→11/21	P
THRASHER, BROWN	P	-	-	-	→10/3	→11/8	-	-	-	P

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	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONROE	MONTGOMERY	MONTOUR	PIKE
PIPT, AMERICAN	→10/31(400+)	10/25-11/21	→11/18(40)	-	P	-	-	→10/27(70)-11/23	-	10/24
WARBLER, ORANGE-CROWNED	-	-	-	-	-	-	10/4	-	-	10/5-7
NASHVILLE	-	-	-	-	-	-	-	→11/4	-	-
PARULA, NORTHERN	-	-	-	-	-	-	-	→10/12	-	-
WARBLER, MAGNOLIA	-	-	-	-	→10/6	-	→10/4	-	-	-
BLACK-THROATED BLUE	-	→10/3	-	-	-	-	-	→10/12	-	-
YELLOW-RUMPED	P	10/11-21(500)-25	A	→10/17	→11/15	→12/8	→12/19	→10/11(20)	→10/24	A
BLACK-THROATED GREEN	-	-	→10/10	→10/3	→10/5	-	10/4	→10/6	→10/3	-
PINE	-	-	-	-	-	-	-	→10/20(4)	-	-
PALM	-	-	10/18	-	→10/10	-	-	→10/12	-	-
BLACKPOLL	-	→10/3(10)	-	-	-	-	→12/27L	-	-	P
BLACK-AND-WHITE	-	-	-	-	-	-	-	-	-	-
OVENBIRD	-	-	-	-	-	-	-	-	→10/3	P
YELLOWTHROAT, COMMON	P	→10/3	-	-	→11/15	-	-	-	-	P
WARBLER, WILSON'S	-	-	-	-	→10/4	-	-	-	-	-
TANAGER, SCARLET	P	-	-	-	-	-	→10/4	-	-	-
TOWHEE, EASTERN	P	R	→10/22	→10/3	→12/1	-	P	A	→10/5	P
SPARROW, AMERICAN TREE	10/31-11/17(100+)	→11/29	11/1-12/19(261)	11/14	10/24	12/8(6)	11/1(3)	11/8-12/19(15+)	A-12/28(18)	P
CHIPPING	P	→12/19(3)L	→10/18	-	P	→11/18(3)	→12/27L(5)	→10/10(10)	-	P
FIELD	P	R	R	→10/17	P	A	→10/4	A-10/20(15+)	A	P
SAVANNAH	P	R	→11/4(3)	-	P	-	-	→10/5(30+)-11/23	-	P
FOX	A	-	10/25(5)-11/29	-	-	-	11/1-12(6)-12/19	11/3	-	A
LINCOLN'S	-	-	-	-	10/3	-	-	→10/10(6)-18	-	-
SWAMP	R	R	R	R	-	-	→12/27	A-10/9(25+)	-	R
WHITE-THROATED	A-12/27(13)	A	R	10/3	P	A-11/8(12)	R	A-10/20(40+)	A-12/31(8)	R
WHITE-CROWNED	11/15(22)	→10/21	10/4-25(5)	-	10/6-12/25	OCT-12/8(3)	10/10	10/10	A	-
JUNCO, DARK-EYED	A	R	R	R	A	A-12/8(32)	R	10/10	A-12/31(19)	R
BUNTING, SNOW	-	11/9(4)	→10/25(10)-11/27	-	11/1-10	-	-	11/7-8(20)-15	11/5(60)	-
GROBEAK, ROSE-BREADED	P	-	-	-	-	-	-	-	-	-
BUNTING, INDIGO	P	-	-	-	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	A-10/14(600+)	R	A	-	→11/27(30+)	-	-	P	→10/20(6)	P
MEADOWLARK, EASTERN	→10/25(9)	R	→10/25(9)	-	P	R	-	10/3(5)	-	P
BLACKBIRD, RUSTY	10/31(3)	10/11-12/19	10/13-11/22(4)	-	11/14(5)	-	-	10/30	-	-
GRACKLE, COMMON	A-11/14(40)	R	→12/24	-	P	→11/18(150)	-	P	A	A
COWBIRD, BROWN-HEADED	A-10/25(1100)	R	→10/31	-	P	→11/18(5)	-	P	→10/5	A
FINCH, PURPLE	12/27(3)	-	R	-	P	-	R	10/19(4)-12/7	-	R
SISKIN, PINE	-	11/29	-	-	-	12/24(5)	-	-	-	-
GROBEAK, EVENING	-	-	-	-	11/30	12/9(11)	-	-	-	-

	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
LOON, RED-THROATED	-	11/2-16*	-	-	-	-	-	-	-
COMMON	-	A-11/27(132)	-	10/12-31	-	11/3-12/24	A	-	10/27
GREBE, PIED-BILLED	11/21	→11/17	10/4-10(5)-12/25	10/5-31	→11/22	10/4-11/17	11/29(5)	→12/20	10/17
HORNED	-	11/11	11/15(4)	-	-	-	10/11	12/20	10/26
CORMORANT, DOUBLE-CRESTED	-	→10/20(200)-29	10/10(4)-12/19	-	→10/11(5)-11/15	-	P	10/19	→10/28
BITTERN, AMERICAN	-	-	-	-	→11/15	-	10/7-10	-	-
HERON, GREAT BLUE	R	A	A	A	A	A	R-11/16(5)	A	R
EGRET, GREAT	-	→10/8	-	-	-	-	-	-	→10/24
HERON, GREEN	-	→10/9	-	-	→12/19L	-	-	-	-
NIGHT-HERON, BLACK-CROWNED	-	A-11/15(21)	-	-	-	-	-	-	→12/19
VULTURE, BLACK	-	A-10/25(27)	-	-	-	-	-	-	R
TURKEY	→10/30	-	→11/30	→10/7(7)	→11/21	→11/14	→12/9	→10/6	R

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	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
GOOSE, SNOW	-	10/12(100)-12/19	10/11(4)-12/1	-	11/22-28	11/1→	11/15-19	10/22-26	10/5(200)-11/27
CANADA	R	R-10/5(3011)	R-10/11(200)	R-10/5(50)	R-12/5(500)	R	R	R-12/20(1431)	R
BRANT	-	10/22(38)-11/16	-	-	-	-	-	-	11/5-21
SWAN, MUTE	-	A	-	-	-	-	R	P	R
TUNDRA	-	A-11/13(99)	-	-	11/12(14)	11/2-15(175)	11/22(27)	-	11/12→
DUCK, WOOD	P	R-10/12(24)	-	-	→11/22(15)-12/19	12/20	P	-	→11/14
GADWALL	-	10/1	-	-	-	-	-	11/2→	10/5-11/15
WIGEON, AMERICAN	-	-	10/10(6)	-	-	10/6-17	→11/7(10)-12/29	11/20→	A
DUCK, AMERICAN BLACK	R	A-10/1(8)	10/6-12/25(5)→	-	A-11/18(20)	10/15-12/13	A-11/23(18)	10/20-12/18	R
MALLARD	R	R	A-12/25(1000)	-	R-12/27(300)	R	R	A	R
TEAL, BLUE-WINGED	-	-	10/8(4)-10	-	-	-	-	→10/8(9)-11/14	-
SHOVELER, NORTHERN	-	-	11/14(3)-16	-	-	11/14	→12/30	11/5-6/94	-
PINTAIL, NORTHERN	-	-	12/18	-	-	10/19	P	10/20→	10/12-11/30
TEAL, GREEN-WINGED	P	10/9(20)-30	→12/22(5)	-	10/25(13)-11/15	-	A-11/7(12)	A-10/20(7)	A
CANVASBACK	-	-	-	-	-	-	P	-	12/24(4)
REDHEAD	-	-	-	-	-	-	P	-	12/24(8)→
DUCK, RING-NECKED	-	10/9-11/19(6)	11/18(8)-12/25	-	10/29-11/15(40)-12/19	10/17-12/13	A-12/8(12)	11/5-12/20(57)→	11/1(6)→
SCAUP, GREATER	-	-	12/9-18	-	-	-	-	-	-
LESSER	-	10/9-11/3(10)	11/15(4)-12/20	-	11/15(60+)-22	10/15	→12/31	11/29(7)-12/6	10/22(6)-12/13
SCOTER, SURF	11/11	-	-	-	-	-	-	-	10/8(4)-9
WHITE-WINGED	-	-	10/10(3)	-	11/28(13)	-	-	12/7	11/12
BLACK	-	-	-	-	-	-	-	-	10/16/96
OLDSQUAW	-	10/26	-	-	-	-	-	12/20	11/5-12/24(5)
BUFFLEHEAD	11/12-15(15)-12/8	10/27-12/9	11/15-12/9(100)-24	11/13	11/2-15(12)-12/5	11/1→	A-11/6(15)	10/23-11/7(21)→	10/22(10)→
GOLDENEYE, COMMON	→10/18(14)	10/27(5)-11/16	12/9-24	-	11/28(35)	12/30→	11/6(4)→	11/16-12/5	11/6(5)→
MERGANSER, HOODED	→11/20	11/6-12/26(4)	10/7-12/9(8)→	-	11/22-12/15(100)-19	11/7→	A	10/30-12/20(18)	11/13→
COMMON	-	10/13-12/16(16)-23	12/19(3)	-	R-11/28(2000+)	A	P	R	A
RED-BREASTED	-	-	12/9(11)	-	11/18(50)-22	-	10/11-28(10)→	11/13	11/15(25)
DUCK, RUDDY	-	-	10/10-12/9(300)-25	-	11/12-28(8)	10/15→	10/12-11/30(7)→	10/21-23(9)-11/17	10/17-22(42)→
OSPREY	-	→10/30	→10/17	-	-	10/12-11/9	-	→11/10L	→10/26
EAGLE, BALD	11/30	A-10/29(6)	-	11/12	R	R	10/18(2)	A-12/20(4H)	R
HARRIER, NORTHERN	→12/20	A	R	R	A	11/8-12/26	P	11/17→	A
HAWK, SHARP-SHINNED	R	R	R	R	R	R	R	R	A
COOPER'S	R	R	R	R	R	R	R	R	A
GOSHAWK, NORTHERN	R	R	-	R	-	-	-	12/20	11/18
HAWK, RED-SHOULDERED	-	R	→11/30	-	-	10/10-25	P	11/7	R
BROAD-WINGED	→10/17	→10/19	-	-	→10/18	-	-	-	→10/10
RED-TAILED	R	R	R	R	R	R	R	R	R
ROUGH-LEGGED	11/29→	10/23-12/30	-	-	12/19(5)→	-	-	10/30→	-
EAGLE, GOLDEN	-	A-10/30(18)	11/30	11/21	-	-	-	-	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R
MERLIN	12/20→	→10/11(15)-12/23	10/20-21	-	10/4-24	-	-	-	10/11-24
FALCON, PEREGRINE	-	→10/7(4)-11/15	-	-	-	-	-	-	11/10
BOBWHITE, NORTHERN	-	R	-	-	→10/19	-	P	10/1	R
RAIL, VIRGINIA	-	-	-	-	-	-	-	-	-
COOT, AMERICAN	-	11/20-12/10	10/10-11/11(24)-12/25	-	-	10/25-12/13	A-11/2(30)	A	10/1-12/19(792)→
PLOVER, AMERICAN GOLDEN	-	-	-	-	-	-	-	-	→11/6
KILLDEER	P	→11/23	A	-	→11/8	→11/24	A-10/22(35)	→10/18(36)-11/13	A
YELLOWLEGS, GREATER	-	-	-	-	10/25-11/1	10/25-11/8	→10/15(3)	→10/1	→11/12
LESSER	-	-	-	-	-	-	→10/15	-	→10/28
SANDPIPER, SOLITARY	-	→10/8	-	-	-	10/9	-	-	→10/24
SPOTTED	-	-	-	-	-	→11/17	-	-	→10/5
LEAST	-	-	-	-	-	-	-	-	→10/3(5)
PECTORAL	-	-	-	-	-	10/7	-	-	→10/17
DUNLIN	-	-	-	-	-	-	10/25-11/17	-	10/8
SNIPE, COMMON	→10/20	→12/10(4)	→12/26	-	-	11/15	10/15-12/14	-	→12/19(8)
WOODCOCK, AMERICAN	→12/27	→10/14	→11/20	-	→11/12	10/17	P	-	A

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	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
GULL, BONAPARTE'S	-	11/13	11/15(7)	-	11/22(3)	11/7	P	-	10/22-11/13(4)-12/19
RING-BILLED HERRING	11/21 12/11	10/29-11/24(110)-12/22 →12/19	12/22(48)	-	A-11/28(300+) 10/25-12/29	11/8-12/28	A-12/8(22) 12/8	10/4→ 11/4→	A A
LESSER BLACK-BACKED OWL, BARN	-	11/27	-	-	-	-	-	-	11/28
BARRED LONG-EARED SHORT-EARED	R R	R R	R R	R R	R 10/17 12/19(3)	R R	R R	R R	R R
NORTHERN SAW-WHET	→11/18	R-10/25(21)	-	R	R	12/6→	12/7	12/5(4)→	-
SWIFT, CHIMNEY	-	→10/11	-	-	-	-	-	-	→10/11
WOODPECKER, RED-HEADED	-	→12/22	-	-	-	-	P	-	R
SAPSUCKER, YELLOW-BELLIED	→11/20	A	12/24	→12/25L	→10/4(3)-12/12 →12/19	10/11 →12/4	A R	A R	A R
Flicker, Northern	-	R	-	A	-	-	-	-	-
PHOEBE, EASTERN	→10/26	→10/27	→12/22	→10/5	→10/14	→11/9	→10/29	-	→10/10
SHRIKE, NORTHERN	-	-	-	-	11/22	11/22-12/12	11/11-12/2	-	12/20
VIREO, BLUE-HEADED	→10/23	→10/26	→10/23	→10/12	→10/17	→10/12	→10/30	-	→10/27
RED-EYED CROW, FISH	-	→10/6	-	-	-	-	-	-	→10/14
RAVEN, COMMON	R	R-10/19(9)	R	R	R-12/19(8)	R	A	-	R
LARK, HORNED	A	10/27(200)-12/10	R	-	10/23(3)	11/14	11/22(10)	R	12/18(150)→
SWALLOW, TREE	-	→10/11(20)	-	-	-	-	-	→10/4(11)	→11/6(6)
CHICKADEE, CAROLINA	-	-	-	-	-	-	-	-	R
BLACK-CAPPED NUTHATCH, RED-BREADED	R R	R R	R R	R R	R 10/25-12/19	R R	R R	R R	R R
CREEPER, BROWN	R	R	10/13-11/30(3)-12/13	R	R	11/14-12/23	10/4→	11/7(4)	→10/17
WREN, HOUSE	→10/11	→10/18	-	-	→10/10	→10/9	→10/9	-	10/3→
WINTER MARSH	-	→12/6	10/11-12/22	→11/17	10/4(10)	10/10-18	-	-	→10/10
KINGLET, GOLDEN-CROWNED	A	R-10/18(20)	11/29(12+)-12/22	R	A-11/7915	10/10→	A	A	A
RUBY-CROWNED GNATCATCHER, BLUE-GRAY	→10/25	A-10/7(100)	10/13	10/2-11/25(25)	10/4-11/21(20)-12/19	10/6-11/12	A	→12/20	A
THRUSH, GRAY-CHEEKED	→10/4	-	-	10/26	-	-	-	-	→10/7
SWAINSONS HERMIT	→10/30	10/7(5) A	-	-	-	10/18 11/18	→11/5 A	-	→10/26 →10/9
WOOD ROBIN, AMERICAN	→10/10	-	→12/25	-	12/19	-	→10/3	-	→OCT
CATBIRD, GRAY	R	R	-	A	→11/12(50+)-12/6	R	R-12/13(6000H)	-	R
THRASHER, BROWN	→10/5	→11/23	→10/13	-	→10/3	→10/10	→11/14	→10/4	→11/1
PIPET, AMERICAN	10/19	-	-	-	-	→11/14	P	-	-
WARBLER, TENNESSEE	→10/4	11/29(29)	→12/22	-	-	10/25	10/12	-	10/17-24(25)-11/15
ORANGE-CROWNED NASHVILLE	-	10/9	-	-	-	10/4	10/9	-	→10/2
PARULA, NORTHERN	-	→10/12	-	-	-	-	→10/10	-	→10/17
WARBLER, MAGNOLIA	-	→10/8	-	-	-	-	→10/28	-	→10/10
CAPE MAY	-	-	-	-	-	-	P	-	-
YELLOW-RUMPED BLACK-THROATED BLUE	-	→10/25	-	-	-	-	→10/28	-	→10/13
BLACK-THROATED GREEN	→10/5	→10/15	→10/13	→10/5(3)	→10/5(12)-12	10/9-25	A-10/14(113)	-	A
PINE	-	→10/4	-	10/2	-	→10/11	→10/4	-	→10/12
PALM	-	→10/18	→10/23	-	-	10/6	→10/25	→10/4	→10/19
BLACKPOLL	-	→10/5	-	-	-	10/6	-	→10/6	→10/10
BLACK-AND-WHITE	-	→10/6	-	-	-	-	-	-	→10/7
OVENBIRD	-	-	-	-	-	-	→10/4	-	→10/6
YELLOWTHROAT, COMMON	-	→10/15	-	-	-	-	→10/4	-	→10/19
WARBLER, WILSON'S	-	-	-	-	-	-	→10/3	-	-

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	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
TANAGER, SCARLET	-	-	-	-	-	-	→10/9	-	→10/16
TOWHEE, EASTERN	→10/11	→12/1	-	→10/6	→10/12	→10/16	A	-	R
SPARROW, AMERICAN TREE	11/1→	10/27→	11/30(3)→	10/10(10)→	11/4-12/17(12)→	11/8→	P	11/17→	10/22(7)→
CHIPPING	→10/15	→10/20	→10/13	-	→10/6(7)-30	→10/25	→10/29	→10/4	→12/24
FIELD	-	A	A	-	→10/21	→12/22	A	-	R
VESPER	→10/19	-	-	-	-	-	-	-	→12/19
SAVANNAH	-	-	-	-	-	→10/17	-	→10/4(5)	A
FOX	-	10/12-11/23	-	-	-	10/11-11/15	A	11/6	11/7→
LINCOLN'S	-	10/3-6(3)-11/6	-	-	-	10/4-6	→10/19	-	→10/3
SWAMP	R	.12/3	-	-	R	→11/26	A	A	R
WHITE-THROATED	A	A	10/13-12/22(14)→	R	10/28→	10/6→	A	R	A
WHITE-CROWNED	→11/30	A-10/5(25)	10/13(40)→	-	10/5-8(10)-29	10/6-11/15	A	-	A
JUNCO, DARK-EYED	R	A	A	R	R-11/12(100+)	R	R	R	10/5-12/19(141)→
BUNTING, SNOW	11/17→	10/7-11/12(120)-19	10/23	-	12/19(12)	-	11/22(7)	-	A
GROSBEEK, ROSE-BREADED	-	→10/3	-	-	-	-	→10/19	-	10/28-11/15(50)→
BUNTING, INDIGO	-	→10/9	-	→10/6	-	-	→10/10	-	→10/5
BLACKBIRD, RED-WINGED	A	→11/27	→10/20(10000)	-	→12/22	→11/14	A	→12/20(116)	R
MEADOWLARK, EASTERN	→11/20	[P	→11/30	-	→10/25	→12/15	P	→10/25	R
BLACKBIRD, RUSTY	12/26→	→11/14(250)	10/17(47)	-	11/8(25)-12/5	10/4-11/15	A	-	10/23-11/5
GRACKLE, COMMON	-	A	-	-	→12/19(50)-24	→11/26	→12/28(200)	→11/10(25)	R
COWBIRD, BROWN-HEADED	A	A	-	-	→12/19	→12/12	A	A	R
FINCH, PURPLE	→12/5(5)	→11/19	10/13(4)	R	R	11/22	R	12/19→	11/16
SISKIN, PINE	-	10/5	-	-	10/21-12/19(8)	-	P	-	12/1-30
GROSBEEK, EVENING	12/23(15)	10/25-11/2(9)-15	-	-	-	-	12/31→	-	-

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