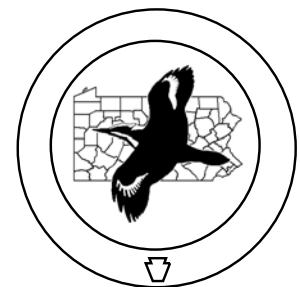


PENNSYLVANIA BIRDS



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PENNSYLVANIA BIRDS

Journal of the Pennsylvania Society for Ornithology

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COVER: Purple Gallinule by Adrian Binns

from the Editors...

10th Anniversary PSO Meeting

The Annual Meeting of the PSO was held on Sep 24-26 in Morgantown (Berks County). A good time was had by all.

The field trips were held in good weather and produced a good variety of birds. The afternoon programs were entertaining as well as informing. And the banquet speaker, Pete Dunne, was a delight.

In commemoration of the event, 10-year anniversary pins were distributed to participants. If you would like one (or more) of these pins, they are available for \$2.50 each from Pennsylvania Birds. (See our Subscription/Order form inside the front mailing cover).

If you didn't attend, you missed another great event. We average about 60-70 participants each year, but know many more could attend. You are really missing out if you don't attend these meetings.

Next year's meeting will be in Greene County on May 19-21. This should be a fun meeting and give us an opportunity to bird a section of Pennsylvania that many of the state's birders have not explored. Mark it on your calendar now!

Pennsylvania Birdlists

On the back of the mailing cover, you will find the Pennsylvania Birdlists report form. The form is for reporting your list totals as of December 31, 1999. Please fill it out and send to Peter Robinson, the new Pennsylvania Birdlists compiler.

He is interested in any comments you may have on your list (your 300th state bird, your 100th yard bird, any unusual or banner experiences you had this year, etc.). Also, he would be interested in getting a copy of peoples' state lists. It would be interesting to compare them to see what species are missed, what species are seen by all, etc.

Help Needed

Pennsylvania Birds is done completely by volunteers. From the individual observers who send in reports to their County Compiler, to us, the editors.

In between are a large number of dedicated individuals gathering (and begging for) data, writing reports, writing articles, and coordinating statewide efforts such as the CBC and NAMC.

We have asked for volunteers in the past, with mixed results. Too often, individuals, with good intentions, have volunteered for various tasks only to realize later that they are not up to it. This results in articles being late or not done at all, the reputation of the individual being tarnished, and makes *Pennsylvania Birds* look incompetent.

As editors-in-chief, we are not slavemasters. Since we are dealing with volunteers, we never browbeat — but we have been known to beg. We rely on the self-motivation of our editors and compilers.

We are again in need of a volunteer to fill an important role — NAMC Compiler. If you are interested, please take a few moments to assess your abilities and time constraints. Do not volunteer unless you are willing to commit to meeting the responsibilities of the position. This will save both you and us a lot of grief.

This position is responsible for collecting the county NAMC reports, inputting the data into a spreadsheet, and writing a summary. The count is held in mid-May and we need the report by mid-August. This is a three-month time frame to complete the above tasks.

The qualifications for this position are as follows:

1. Meet deadlines
2. Have a computer
3. Meet deadlines
4. Have Spreadsheet software
5. Meet deadlines
6. Have Word Processing Software
7. Meet deadlines
8. Meet deadlines
9. Meet deadlines
10. Meet deadlines

If you are interested, please contact us. (We hope we haven't scared off too many people...) ✎

Frank & Barb Haas
Chief Editors

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Greater Shearwater *Puffinis gravis*
Berks County
First Documented Record for Pennsylvania
Edited by Nick Pulcinella

The remnants of Hurricane Dennis passed through Pennsylvania between 5-6 September 1999. The presence of this species most likely resulted from this storm. The following is Scott Weidensaul's report to PORC on the Greater Shearwater.

"Found 10 a.m. Sept. 9, 1999 by Sandra L. Montagner, Richmond Twp, Berks Co., on parking lot of East Penn Manufacturing Co., Lyons, Berks Co. Taken later that day to Kutztown Animal Hospital, where Dr. Lee Simpson tentatively identified it and called me.

The following day I visited the clinic, confirmed the identification, and Dr. Simpson and I transported the shearwater to Tri-State Bird Rescue and Research in Newark, Del, for specialized care. At the time, the shearwater was emaciated and largely unresponsive; it was treated with rehydrating injections and was force fed both whole fish and prepared food. Despite the care in Kutztown and at Tri-State, the shearwater died on Sept. 14; the skin is being prepared as a museum specimen by Hawk Mountain Sanctuary, and will be placed at the Reading Public Museum.

The individual displayed all

the typical field marks of the species, including a dark capped appearance created by a pale nape; a relatively limited area of white at the base of the tail; largely unmarked white underwings; and a large, somewhat indistinct dark belly smudge. The beak was long and relatively slender — which, along with the lack of pronounced underwing markings, the small amount of white on the rump and the only partial neck collar, eliminated black-capped petrel. As to previous experience with the species, I've seen them frequently on pelagic trips off the New England and Canadian coasts."

RB Editor: This is the first documented record of Greater Shearwater for Pennsylvania. Though the fallout of pelagic species is not uncommon with tropical storms (Brinkley et al.1997), the finding of this particular bird is noteworthy inasmuch as Hurricane Dennis moved very slowly and weakly into the interior after it made landfall. The ensuing fallout of pelagic birds from this storm was concentrated mostly coastal from North Carolina to New Jersey (*pers. comm.* Brinkley and Lockyer).

Distribution: Greater Shearwater breeds in the South Atlantic on Tristan da Cunha, on Gough Island and in the

Falkland Islands. Ranges at sea throughout the Atlantic Ocean from Greenland and Iceland south to Tierra del Fuego and South Africa, most numerous between May and October off the Atlantic coast of North America from New Foundland to Florida and the West Indies and rarely in the Gulf of Mexico from southeastern Texas to Florida (AOU 1998).

Status in Pennsylvania: Accidental. There are two previous undocumented reports in the state; a single bird was reported to have been found dead in Chester Co. prior to 1881 (Poole 1964) and a possible Greater Shearwater was reported passing over West Chester, Chester Co., 7 September 1974 (Scott and Cutler 1975).

References Cited:

- American Ornithologists' Union (AOU). 1998. *Check-list of North American Birds*. 7th edition. American Ornithologists' Union, Washington, D.C.
- Brinkley, E. S., T. Hass, and J. Lockyer. 1997. The Storms of '96: Part 1. *Field Notes* 51:818-829.
- Poole, E. L. 1964. *Pennsylvania Birds*. Livingston Publishing, Narberth, Pa.
- Scott, F. R., and D. A. Cutler. 1975. Middle Atlantic Coast Region. *Am. Birds* 29:35.

BOOK REVIEW

by Gene Wilhelm

Birds of Delaware County, Pennsylvania. Nick Pulcinella. iv + 93 pp; front cover colored painting of Common Yellowthroat, 14 line drawings of birds, 2 maps of Delaware County, 16 maps of county birding areas and 312 bar graphs of species by Jim Lockyer; annotated list of birds, 2 appendices and additional sources. A publication of the Birding Club of Delaware County, c/o Nick Pulcinella, 210 Welcome Ave., Norwood, PA 19074. 1999. \$20.00.

This is a delightful, concise yet comprehensive, field-friendly guide to birding locations and bird activity in Delaware County, Pa. Its comfortable size (8½"), laminated front and back covers, design, layout, and charming illustrations encourage birders to make this durable book a constant field guide companion.

The book is based, largely on the personal field notes collected by the author over the past thirty years but as the author himself states (p. ii): "...a complete picture of the birdlife of Delaware County could not have been accomplished without the help of many friends and fellow birders." Indeed, the author has been fortunate to have had so many top-notch birding companions beginning as a teenager to the present (see list on p. ii).

The guide is subdivided into several components: Acknowledgments, Introduction (pp. 1-3), Birding Areas (pp. 3-24), Hawk Watching (p. 25), Definition of Terms (p. 27), Annotated List of Birds (pp. 28-73), Bird Frequency Charts (pp. 75-85), Appendices (pp. 87-92) and Additional Sources (p. 93).

The brief but accurate Introduction to Delaware County includes such essential physiographic details as its coordinate position (39° 55' N, 75° 25' W), size (184 square miles), boundaries (on the N by Montgomery Co., on the S by New Castle Co., Del., on the E by the Delaware River and Gloucester Co., N.J. and on the W by

Chester Co.), mean annual, winter and summer maximum-minimum temperatures, mean annual precipitation (44") and snowfall (25"). The county is divided by the Coastal Plain Province to the south consisting of freshwater wetlands and tidal marshes of the Delaware River floodplain and by the Piedmont Province to the north consisting of scattered deciduous woodlands interspersed with agricultural lands. Several major creek systems provide a large portion of undeveloped land and good birding year-round with each season having its own special group of interesting birds. The county, like many others in proximity to urban areas (see *Birds of Bucks County, Pa.* in *Pa. Birds* 12, No. 3, 1998, p. 129), has experienced heavy population and industrial growth in the twentieth century, especially in the towns bordering the city of Philadelphia and along the Delaware River. In fact, the western sections of the county are undergoing the most rapid development with the consequent increase of population, congestion, and loss of vital open space.

The Delaware County Birding Areas section of the book is cartographically excellent. Each site map is magnified and drawn to a readable scale with physical and cultural features clearly illustrated. Each site description includes location, clear directions, size, and history and birding opportunities.

Definition of Terms precedes the Annotated List of Birds section and includes quantified Abundance Categories and Frequency of Occurrence terminology which is a welcomed improvement over more commonly used qualified terms in so many other bird field guides.

Each of the 312 species in the Annotated List of Birds includes both common and scientific names, status, habitat, comments, and dates of records in a short paragraph. Bird Frequency Charts in the form of bar graphs immediately follow and clearly illustrate species abundance.

These two sections constitute the bulk of the book (pp. 28-85).

Appendix I - List of Christmas Bird Count Totals - is ornithologically rich since the data have been recorded annually since 1922. The count circle, centered in Wallingford, includes all of the major birding areas in Delaware Co. and usually averages about 100 species. Appendix II - List of Migrant Arrival and Departure Dates - is subdivided into Extreme Early Spring, Early Spring, Late Spring, Extreme Late Spring, Extreme Early Fall, Early Fall, Late Fall and Extreme Late Fall calendar periods with dates for 211 migrant species only.

There are only a few minor flaws in the book that can be easily rectified. For example, the page numbers in the Table of Contents (p. iii) need to be reexamined. Incorrect page numbers start with the subtitle Lower Delaware River and end with the subtitle Hawk Watching. Each page number is off by one digit. On page 2 a tidal marsh is an interface, an overlapping zone of fresh and salt water. And on the same page, does the Delaware County CBC actually have a 25-mile diameter count circle when the National Audubon Society standard is a 15-mile diameter count circle? Finally, perhaps Jim Lockyer could fill in blank pages iv, 26, 74 and 86 with more of his fine line drawings.

In spite of these few inconsistencies, this birding guide is a model for other counties of Pennsylvania and beyond to emulate.

The Birds of Pennsylvania

(A pre-publication sample)

The Birds of Pennsylvania, by Gerald McWilliams and Daniel Brauning, should be available by the time you are reading this. It is the first comprehensive work on the status and history of the birds in our state since Poole's unpublished manuscript (1969), Todd's *Birds of Western Pennsylvania* (1940), and Warren's *Birds of Pennsylvania* (1890). While the Breeding Bird Atlas covered the breeding birds in Pennsylvania, the migrants were left out. This new work builds on and updates the atlas work and includes all species recorded in the state.

As a preview, we are printing here a sample species account from the book (by permission of the publisher). A complete review will appear in *Pennsylvania Birds* in a later issue.

Field Sparrow *Spizella pusilla*

General status: Field Sparrows breed across the eastern U.S. west to Montana, Colorado, and Texas south along the Gulf coast to northern Florida. They winter primarily from Kansas east to Massachusetts and south to Texas and Florida. Though widespread and fairly common in Pennsylvania both as a migrant and as a breeding species, the Field Sparrow is not as well known as its close relative the Chipping Sparrow. During migration they frequently flock with Chipping Sparrows. Field Sparrows are winter residents over most of the state.

Habitat: Field Sparrows are found in lawns and grassy fields and

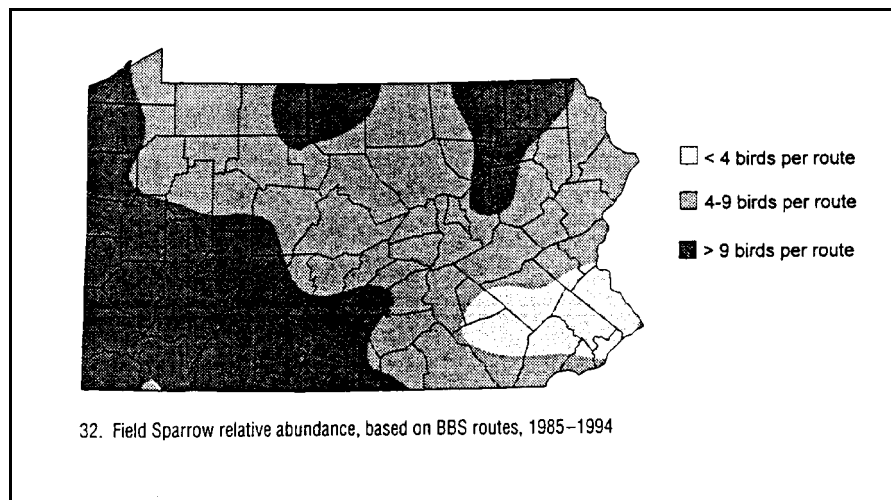
brushy edges during migration. During the breeding season they prefer overgrown fields and pastures, especially those grown up in brush and small trees to just a few feet in height. They are also found in clearcuts and occasionally in young Christmas tree plantings. In winter Field Sparrows are found primarily outside the forested mountains and along river valleys. They visit bird feeding stations, especially in areas with snow cover.

Seasonal status and distribution

Spring: Migration may begin as early as the first or second week of Mar. Their usual migration time is from the third or fourth week of Mar to the third or fourth week of May. The greatest number of birds usually is recorded during the second or third week of Apr. If cold weather persists into Apr, peak migration may not occur until as late as the first week of May, especially in northwestern Pennsylvania.

counties (see Map 32). They are widely distributed (found in 87% of BBA blocks) but are spotty in uniformly forested and urbanized regions.¹ Field Sparrows have somewhat more specialized habitat requirements than their ubiquitous congener, the Chipping Sparrow. Their population trend is typical of many early-succession species, declining at 4% per year on BBS routes statewide since 1966. There have been occasional population fluctuations evidenced by the low number of birds recorded on BBS routes between 1977 and 1979. The nesting period is almost identical to that of the Chipping Sparrow, with most egg sets from 11 May to 24 Jul, involving two clutches. The nest is a fine cup of dry grass. Earlier nests are usually placed on the ground at the base of a shrub, and later nests are up to several feet from the ground in weeds or a small shrub.

Fall: The beginning of migration is not well defined in early fall,



Breeding: Field Sparrows are found mainly in fragmented environments of the southern Ridge and Valley, Glaciated Northeast, and across the western

especially from Aug through about the third week of Sep, when there is some evidence of local wandering. Migration may begin by the fourth week of Sep or the first week of Oct. The greatest passage

of migrants is recorded during the second and third weeks of Oct. Migration rapidly dwindles by the fourth week of Oct or the first week of Nov, with non-wintering stragglers remaining to the first or second week of Jan. Field Sparrows may be locally common in late fall in some years in the southeastern corner of the state. On the Glenolden CBC in Delaware Co. on 31 Dec 1966, 325 birds were counted, an unusually high total.²

Winter: Most wintering Field Sparrows are found in the Coastal Plain, the Piedmont, and the river valleys of the Ridge and Valley, where they may be locally common. Field Sparrows are usually more difficult to find in other areas of the state, where singles or just a few birds are typically found. In the northern-tier counties, south in the High Plateau to the Allegheny Mountain section, and in the Glaciated Northwest, they have been reported in winter from the counties of Bradford, Crawford, Erie, Tioga, and Warren. They are frequently found in mixed flocks with other wintering sparrows.

History: Harlow (1913) considered them abundant, except in the northern counties. Todd (1940) thought that Field Sparrows reached their greatest abundance during the era of agricultural decline, during the early twentieth century. In northern areas that were still heavily forested, Field Sparrows were scarce (e.g., Stone 1891).

¹Leberman, R.C. 1992. Field Sparrow (*Spizella pusilla*). BBA (Brauning 1992):378-379.

²Rigby, E.H. 1967. Glenolden CBC. AFN 21:152.

Swallow and Cuckoo Notes

by Gene Wilhelm

Swallows

The Cliff Swallow breeding colonies in Butler and Mercer Cos. had a terrible 1999 breeding season, probably caused by the severe June-July drought. Adult birds could not find suitable mud to build their jug-shaped nests and nests built in late May crumbled under extreme and extended heat.

Route 528 bridge over Lake Arthur, Moraine State park, Butler Co: 141 nests (43 less than in 1998).

U.S. 422 bridge over Lake Arthur, Moraine State Park, Butler Co: 53 nests (43 less than in 1998).

Route 18 bridge over Shenango Reservoir, Mercer Co: 68 nests (73 less than in 1998) and no nests this year at the Visitor Center.

On the positive side, Dean Kildoo reported a record 86 pairs of Purple Martin nested in his sanctuary, of which 63 pairs laid eggs, producing a record 243 fledglings. Other Purple Martin colonies at Lake Arthur, Lake Wilhelm, and Shenango Reservoir likewise increased this year.

Cuckoos

For the third consecutive summer, August webworm outbreaks in n. Butler Co. brought a major influx of Yellow-billed Cuckoo. However, the infestation occurred too late in the cuckoo breeding season since no nests or fledglings were recorded like last year when both Black-billed and Yellow-billed Cuckoo nested successfully in late July, feeding many young numerous webworm caterpillars.

Summary of the Season - July through September 1999

Although most of the quarter was marked by a continuation of the drought, the best bird of the period was an oceanic bird — **Greater Shearwater** (*Berks*). This marked the first documented record of this species in the state and was very unexpected, considering the path and weakness of the hurricane that produced it. As is the case with many other pelagic records for Pennsylvania, this was not a “birder’s” bird, as it was found in a weakened condition and whisked off to a rehab center in an effort to save it. However, it does show what can happen given the right (or wrong?) weather conditions.

The **Anhingas** seen at the Rose Tree Park hawk watch (*Delaware*), mark a departure from the trend of springtime sightings in recent years. It sure would be nice if one of these birds would settle in for a few days somewhere for other birders to see it.

Another “non-birder” bird was a **Wood Stork** (*Delaware*), which spent several days in the back yard of a non-birding family. However, they had the foresight to take a picture of it, so it was well documented.

Trumpeter Swans are showing up in odd times of the year (*Beaver, Butler*), probably because of the semi-wild nature of the introduced population in the mid-west. They don’t have this “migration thing” down quite right yet.

The **Swainson’s Hawk** in *York* was nice and a number of August (*Delaware*) and early September (*Lebanon, Wyoming*) **Golden Eagle** sightings were interesting.

Only one **American Avocet**

was reported (*Berks*), while **Willetts** were seen in *Dauphin* and *Erie*. The **Whimbrels** in *Erie* were expected, but the *Crawford* bird was exciting.

The five reports of **Red-necked Phalarope**, when added to the three reports from last quarter, make it a record year. Here are the number of records over the last 9 years.

Year	Records
1991	5
1992	2
1993	5
1994	3
1995	3
1996	5
1997	5
1998	2
1999	8

The two **Least Tern** reports (*Dauphin/Montgomery*) make three for the year. This species continues to be elusive for most birders in most years even though there have been as many as four reports in a year. Here are the number of records over the past ten years.

Year	Records
1990	1
1991	0
1992	1
1993	2
1994	4
1995	3
1996	2
1997	1
1998	0
1999	3

A **Sedge Wren** in *Butler* was a good find. This is one of the most mysterious birds in the state. We know it nests here, but it changes nesting locations so often, it is hard

to track.

Fall records of **Prothonotary Warbler** are rare. The July 1 record in *York* was the only report this quarter.

As reported in the article in last issue, the **Clay-colored Sparrows** that nested in *Clarion* remained until July 27.

The **Lark Sparrow** in *Butler* was a 2nd county record and was the third report for the state this year.

A couple of **Red Crossbills** were reported from *Clarion* and *Westmoreland* only one day apart September 9 & 10.

Pine Siskins nested in *Somerset* again, and a few were reported in late September in *Huntingdon & Monroe* — a precursor to the huge fall movement that we will report on next issue.

Evening Grosbeaks were reported near the nesting sight from previous years in *Wyoming*, and scattered reports elsewhere in August (*Schuylkill & Tioga*) hint at possible other nesting locations.

As we are writing this summary, reports are pouring in of Northern Shrikes all over the place! More in the next issue.

There were **258** species reported this quarter, just slightly lower than the 10-year average of 263. We received partial or complete reports from **56** counties.

Thanks again to our hard-working county compilers! ♣

Frank & Barb Haas

Birds of Note - July through September 1999

(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 desc" means no description of the bird was submitted.

Horned Grebe - *Potter*: 1 on 9/13 at Lyman Run (Jack Mitterer).

Red-necked Grebe - *Somerset*: 1 on 9/23 at High Point Lake (Anthony Marich Jr.)

Greater Shearwater - *Berks*: 1 found on 9/9 at Lyons was the first documented record for the state (Sandra L. Montagner). The bird was taken to Tri-State Bird Rescue where it subsequently died. See article elsewhere in this issue for details.

American White Pelican - *Montour*: 1 on 8/24 at Montour Preserve (Robert Bleiler).

Anhinga - *Delaware*: 2 on 9/30 at Rose Tree Park (Skip Conant).

American Bittern - *Bucks*: 1 on 9/30 at Silver Lake Park (Bob Mercer); *Cambria*: 1 on 8/9 at Prince Gallitzin State Park (John Salvetti); *Erie*: 1 on 9/22 at Roderick WMA (Jean & Toby Cunningham); *Philadelphia*: 1 on 8/21 at Tinicum NWR; *Potter*: 1 on 8/6 at Shinglehouse (Tom Leete).

Least Bittern - *Berks*: 1 on 7/12 at Glen Morgan Lake (Peter Robinson); *Delaware*: 1 on 7/12 at Darby Creek (Tom McParland); *Erie*: Present part of the quarter; *Philadelphia*: Present up to Aug at Tinicum.

Snowy Egret - *Cumberland*: 2 on 8/8 (Grace Randolph) and 1 on 9/10 at West Fairview (Deuane Hoffman); *Dauphin*: 2 on 8/8 (Grace Randolph) and 1 on 9/15 (Janet Maynard) on the Susquehanna River at Harrisburg; *Philadelphia*: Present part of the quarter.

Tricolored Heron - *Dauphin*: 1 on 8/12 on the Susquehanna River at New Market (Richard Williams); *Lebanon*: 1 on 7/30 at Reistville (Randy Miller); *Montgomery*: 1 on 9/17 at Fort Washington State Park (Bill & Naomi Murphy).

Cattle Egret - *Bucks*: 1 on 8/13 at Buckingham Twp. (Joe Majden); *Mercer*: 1 on 9/9-19 at Zahnizer Road (Troyer family).

Yellow-crowned Night-heron - *Bucks*: 1 on 8/4-9 at Peace Valley Park (Tom Wurtenberger, et al.); *Cumberland*: Present up to 9/10 with a high of 17 on 8/8 at West Fairview (Ramsay Koury); *Dauphin*: Present part of the quarter; *York*: Present up to 8/4 at Brunner's Island (Al Spiese).

Glossy Ibis - *Berks*: 2 on 7/3 at Lake Ontelaunee (Steve Schenley)(No desc.)

Wood Stork - *Delaware*: 1 sometime between 8/15-21 in Willistown Twp. was not reported until after the fact, but had been documented with a photograph.

Trumpeter Swan - *Beaver*: 2 on 8/29 at the New Galilee Wetland (Bill Hintze); *Butler*: Present all quarter at Moraine State Park was a 1st county record (Walt Shaffer, Dave Darney, Paul Hess, et al.)

Tundra Swan - *Centre*: 1 present all quarter at Curtin Pond; *Clarion*: 75 on 9/30 at Shipperville (Margaret Buckwalter); *Clinton*: 1 on 9/30 at McElhatten (David Rockey).

Canvasback - *Erie*: Present from 7/20 at Presque Isle State Park (Jerry McWilliams).

Redhead - *Erie*: 1 on 9/17-18 at Presque Isle State Park (Joyce Hoffman).

Ring-necked Duck - *Berks*: 2 on 9/18 through the quarter at Glen Morgan Lake (Ken Lebo); *Delaware*: 1 on 9/30 at Springton Reservoir (Nick Pulcinella); *Erie*: Present from late Sept at Presque Isle State Park (Jerry McWilliams).

Greater Scaup - *Delaware*: 1 on 9/30 at Springton Reservoir (Nick Pulcinella); *Erie*: Present from 9/30 at Presque Isle State Park (Jerry McWilliams).

Lesser Scaup - *Armstrong*: 1 present from 9/9 through the quarter at the Keystone Power Plant (Margaret & Roger Higbee); *Erie*: Present from early Aug at Presque Isle State Park (Jerry McWilliams.); *Mercer*: 1 on 8/15 at Shenango River Reservoir (Mike Fialkovich)

White-winged Scoter - *Erie*: Present from 9/17 at Presque Isle State Park (Jerry McWilliams).

Red-breasted Merganser - *Erie*: Present from mid Sept at Presque Isle State Park (Jerry McWilliams).

Swainson's Hawk - *York*: 1 on 9/19 at Rocky Ridge Hawk Watch (C&K Orris, Dave Wildasin).

Rough-legged Hawk - *Mercer*: 1 on 9/17-18 at Grove City (Harriet Bauer).

Golden Eagle - *Berks*: 1 on 9/30 at Blue Marsh Lake (Katrina Knight, Harold & Joan Silagy); *Delaware*: 1 on 8/26 at Rose Tree Park (Dave Washabaugh); *Lebanon*: 1 on 9/5 at SGL 211 (Randy Miller); *Wyoming*: 1 on 9/6 at Forkston (Scott Killam).

Common Moorhen - *Cambria*: 1 on 9/29 at Prince Gallitzin State Park (John Salvetti); *Crawford*: Present all quarter with a high of 9 on 8/1 at Conneaut Marsh (Ron Leberman); *Erie*: Present part of the quarter (Jerry McWilliams.);

Lawrence: 2 on 8/5-9/4 at Copper Road Wetland; *Philadelphia*: Present part of the quarter.

American Avocet - *Berks*: 1 on 7/19 at Lake Ontelaunee (Ian Baldoch, Katrina Knight, Ken Reiker, Bill Uhrich).

Willet - *Dauphin*: 1 on 8/17 on the Susquehanna River at Harrisburg (Deuane Hoffman)(no desc.); *Erie*: 1 on 9/2 (Jean & Toby Cunningham) and 9/12 (Dave Reiger) at Presque Isle State Park.

Upland Sandpiper - *Cumberland*: 1 on 7/3 at Mud Level Road (Deuane Hoffman); *Lawrence*: Present part of the quarter; *Somerset*: Present up to 8/27 at Berlin (Jeff & Laretta Payne); *Venango*: 1 on 7/10 at Barkeyville.

Whimbrel - *Crawford*: 1 on 9/22 at Pymatuning (Marvin Byler); *Erie*: 1 on 8/14, 2 on 8/21, and 1 on 9/16 at Presque Isle State Park (Jerry McWilliams).

Ruddy Turnstone - *Cambria*: 1 on 9/24 at Ventura Reservoir (John Salvetti); *Erie*: Present from early Aug at Presque Isle State Park (Jerry McWilliams); *Mercer*: 1 on 8/7 (Troyer Family) and 2 on 8/26 (Barb Dean) at Shenango River Reservoir.

Red Knot - *Erie*: 1 on 9/5 at Presque Isle State Park (Jerry McWilliams); *Mercer*: 1 on 8/30 at Shenango River Reservoir (Randy Stringer, Troyer Family)(No desc.).

Dunlin - *Erie*: Present from late Sept at Presque Isle State Park (Jerry McWilliams); *Indiana*: 1 on 9/21 at Yellow Creek State Park (Dory Jacobs); *Mercer*: 3 on 9/23 at Shenango River Reservoir (Randy Stringer); *Westmoreland*: 1 on 9/21 at Trout Run Reservoir (Bob Leberman); *York*: 1 on 9/1 at Spring Grove (Al Spiese) and 1 on 9/22 at Codorus State Park (Peter Robinson).

Buff-breasted Sandpiper - *Erie*: 1 on 8/26-29 at Presque Isle State Park (Don Snyder, Adam Erb, Jerry McWilliams); *Mercer*: 2 on 9/5 (Mike Fialkovich, Joyce Hoffman) and 1 on 9/15 (Troyer Family) at Shenango River Reservoir.

Wilson's Phalarope - *York*: 1 on 9/19 at Codorus State Park (Peter Robinson).

Red-necked Phalarope - *Berks*: 1 on 9/6 at Blue Marsh Lake (Jim Eckert)(No desc.); *Franklin*: 3 on 9/7-16 at Greencastle Reservoir (Dale Gearhart, et al.); *Indiana*: 1 on 8/29 at Yellow Creek State Park was a 2nd county record (Margaret & Roger Higbee, et al.); *Montgomery*: 1 on 9/7 at Green Lane Reservoir (Ken Reiker, et al.); *York*: 1 on 9/7 at Codorus State Park (Peter Robinson, Karen Lippy).

Laughing Gull - *Bucks*: 1 on 8/30 at Peace Valley Park (August and Judy Mirabella); *Delaware*: Present all quarter with a high of 129 on 9/6 at Essington (Al Guarente); *Philadelphia*: Present part of the quarter.

Franklin's Gull - *Mercer*: 1 on 8/13 at Shenango River Reservoir (Russ States, Mike Fialkovich).

Lesser Black-backed Gull - *Bucks*: Present from 9/26 at Peace Valley Park (August Mirabella); *Delaware*: 1 on 9/9 at the Philadelphia Airport and 1 on 9/17 at Essington (Nick Pulcinella)

Great Black-backed Gull - *Bucks*: Present from 7/30 at Peace Valley Park (August Mirabella); *Dauphin*: Present all quarter; *Delaware*: Present all quarter; *Erie*: Present all quarter (Jerry McWilliams); *Philadelphia*: Present all quarter.

Common Tern - *Erie*: Present from late July at Presque Isle State Park (Jerry McWilliams); *Mercer*: 1 on 8/26, 2 on 8/29, and 1 on 9/11 at Shenango River Reservoir (m.obs.); *Somerset*: 1 on 9/21 at Quemahoning Reservoir (Scott Bastian).

Least Tern - *Dauphin*: 1 on 7/7 on the Susquehanna River at Harrisburg (Ramsay Koury); *Montgomery*: 1 on 7/14 at Green Lane Reservoir was only the 4th county record (August & Judy Mirabella).

Loggerhead Shrike - *Adams*: Permanent resident. **Sedge Wren** - *Butler*: 1 on 9/4 at Glades (Suzanne Butcher, Ruth Crawford)(No desc.)

Prothonotary Warbler - *York*: Present up to 7/1 .

Clay-colored Sparrow - *Clarion*: Present up to 7/27 at the Piney Tract where they had bred (John Fedak)

Lark Sparrow - *Butler*: 1 on 9/24 at Moraine State Park was a 2nd county record (Debra Yovanovich, et al.)

Red Crossbill - *Clarion*: 1 found injured on 9/10 at Cook Forest State Park subsequently died (dale Luthringer); *Westmoreland*: 2 on 9/9 at Delmont (Ken Byerly).

Pine Siskin - *Huntingdon*: 1 on 9/8 (Paul Rodewald); *Mifflin*: 5 on 9/8 at McVeytown (Margaret Kenep); *Monroe*: 3 on 9/30 at Monroe County Environmental Education Center (Brian Hardiman); *Somerset*: Present all quarter on Whitehorse Mountain, where they bred.

Evening Grosbeak - *Mercer*: 1 on 9/23 at Williamson Road (Troyer Family); *Schuylkill*: 1 on 8/21 at Adamsdale (Vivian Connor); *Tioga*: 1 on 8/8 at Mansfield (Ben); *Wyoming*: 2 on 7/1 at Dutch Mountain (Skip Conant)

Local Notes

Adams County

There was not very much birding done during the hot and dry months of July, August, and September, but there were 109 spp. reported during the quarter, including 22 species of warblers.

Two **C. Loon** were found at Long Pine Run Res. (LPR) on 8/24 (D Siefken), and 1 was there 9/10 (C Garner). A **Great Egret** was found 8/10 in Fairfield (R Ryan), and 5 were at SGL-249 on 9/14 (P Robinson).

Two **Caspian Tern** were found 8/18 at LPR (CG). They are not common in the county because there are only a few small lakes.

A **Black-billed Cuckoo** was seen in Sept. at the Gettysburg National Military Park (GP) (G Keller, D Klute, B Ross). This is the only report of Black-billed Cuckoo this year in the county. There were three reports of migrating **C. Nighthawk** -- 45 on 8/21 at South Mtn (J Scheivert), 16 on 8/28 at Fairfield (RR), and 12 on 9/2 at Mountain Rd (DS).

There were two September reports of **Least Flycatcher** and 3 Sept. reports of **Red-breasted Nuthatch**.

A **Winter Wren** was found 9/11, a little early, at SGL-249 (B Moul). Among the 22 warbler spp. reported were a **Cerulean** on 8/12, and a **Mourning** on 9/12, both on Bullfrog Rd (A Kennell).

Allegheny County

Double-crested Cormorant reports began on 8/17 (S Kinzey) from the Allegheny R. (AR). A juvenile **Hooded Merganser** was seen 7/3 at North Park (BM). This species was confirmed breeding at Imperial (IMP) a few years ago, so this adds another location in the county.

A **Merlin** was in Schenley Park 9/6 (S Gaulin). An **Osprey** was at the Highland Park Bridge (HPB) 8/25 to 9/5 (SK, B Hintze, J Hoffmann). A good count of 9 **Solitary Sandpiper** was at IMP 7/22 (W Shaffer).

Only a single **Herring Gull** chick at the Highland Park Bridge (HPB) on the AR was believed to have fledged this year (P Brown). Uncommon for the county, 4 **Caspian Tern** were seen 8/22 (SK), 2 on 9/2 (BH), and 1 on 9/3 (BH) at the HPB on the AR.

A large flock of 230 **Mourning Dove** was observed flying over Natrona Heights 9/30 (P&D Hess). A survey of migrating **C. Nighthawk** was conducted at the HPB on the AR from mid-Aug. to early-Sept. by Scott Kinzey. This was the first of its kind in the county and gave us interesting data on the movements of this species. High counts occurred on 8/22 (250), 8/26 (253), and 8/27 (670). On 8/27 in Pleasant Hills, 139 birds were counted (S Sinderson). Up to 4 **Whip-poor-will** were heard at SGL- 203 in Wexford 7/14 (R Schultz). For the past few years, this species became difficult to find in this area, so this report is very encouraging. A **Red-headed Woodpecker** was seen 9/11 in West Mifflin (WM); an uncommon bird in the county (K Behrens).

Unusual was the discovery of **Blue-headed Vireo** in North Park during June and July. Normally only seen during spring and fall migration, this observation suggested breeding, but this was not confirmed (B Machesney). **Red-breasted Nuthatch** appeared 8/28 in Kilbuck Twp (PB)

and several were seen in various locations in the county through Sept. An early **Brown Creeper** appeared in a yard in Oakland 8/13 (BH).

Four **Purple Martin** were seen 9/15 at Butler's Golf Course, Elizabeth Twp, in the southern part of the county where there are several martin houses (W Hammond). **Yellow Warbler** were reported up to 7/11 in the county (M Fialkovich). A **N. Waterthrush** was seen 9/21 in WM (KB), and a **Worm-eating Warbler** was there 9/13 and 9/19 (KB). A high count of 30 **Blackpoll Warbler** was at Harrison Hills Park 9/26 (PH, J& S Solomon, W&DS). Uncommon here in the fall, a **Prairie Warbler** was at WM 9/21-22 (KB).

Blue Grosbeak was not found at Imperial for the second year in a row. Several large flocks of **C. Grackle** were noted: 220 on 8/19 at Pleasant Hills (SSn), 120+ at Whitehall 8/21 (WH), and 500 at Natrona Heights 9/29 (PH).

CORRIGENDUM: Sam Sinderson says that the **Brewster's Warbler** reported last quarter was seen by Sinderson and Behrens in West Mifflin, not by Sinderson in Pleasant Hills.

Armstrong County

Mark McConaughy's hawk watch at Brady's Bend added significantly to the coverage this quarter. Highlights included 2 **Bald Eagle** on 9/5 and 9/17. Extremely low water levels at Keystone Res. produced extensive mud flats that rapidly dried up. Although the reservoir was checked frequently, the only productive day was 9/24 (during PSO!!!) when Steve Graff listed 9 species of shorebirds including **Western, Baird's, and White-rumped sandpipers**. Two **Caspian Tern** on 8/20 at KR were a nice find. A nice sized band of migrants near Margaret on 9/15 included **Warbling, Philadelphia, and Red-eyed vireos**, as well as **Tennessee, Nashville, Cape May, Yellow-rumped, Black-throated Green, Bay-breasted and Blackpoll warblers**.

Beaver County

On 8/29 Bill Hintze observed 2 **Trumpeter Swan** at the Big Beaver wetland. Details to PORC.

A 7/2 trip to Raccoon SP produced 4 **Black-throated Green Warbler** along with **Blue-headed Vireos** and **Golden-crowned Kinglets** (BH).

ERRATUM: The report sent last quarter of an Evening Grosbeak on 4/12 was an error.

Berks County

Locations: Blue Marsh L. (BML), Glen Morgan L. (GML), Hawk Mt. Sanctuary (HMS), L. Ontelaunee (LO), SGL-110, Kittatinny Ridge.

Weather extremes—severe drought and two Sept. hurricanes—had noticeable impacts on birds this summer. Details on **Greater Shearwater** (*1st Pa. record*) and **N. Gannet**, two storm driven vagrants, appear separately in this issue.

Low water levels at GML apparently prevented successful nesting of the marsh birds there, probably due to

nest predation. Two **Pied-billed Grebe** nests found by canoe had obviously been raided, probably by raccoons (R Bonnett), which had easier access to nests in the shallower water. No chicks of grebes, **Am. Coot**, or **Ruddy Duck** were seen, though adults were present all quarter (K Lebo). No rails were detected, and there was only one sighting of **Least Bittern** 7/12 (P Robinson). However, **Wood Duck** had another banner season: 75% of 200 birds at GML 8/21 were young of the year (KL). The resident **Mute Swan** pair also raised 2 cygnets, as did a pair at LO.

The county's only **Black-crowned Night-Heron** colony in densely residential West Lawn near Reading was active and controversial. One homeowner, tired of the odor, mess and noise of the colony, has demanded that the birds be driven off his property. The PGC will try destroying the nests over winter and harassing the birds next spring to get them to move away. Fortunately, the neighboring property owner likes the birds and has actively protected them for years. See Uhrich, ed., *A Century of Bird Life in Berks County, Pennsylvania* for a longer account of the uneasy coexistence of these birds with suburban humans.

Two **Glossy Ibis** (no details) were at LO 7/3 (S Schenley). The family of 6 **Snow Geese** noted last quarter stayed at a dairy farm along Rte. 143 north of Virginville all summer, the 4 young having assumed ad. plumage by Aug. (R Keller). A rare summer **Gadwall** was at LO 7/12 (K Knight), and 2 **Am. Black Duck** again summered at GML (KL).

Osprey could be found all quarter at GML and BML (KL, H&J Silagy); at the latter, a bird was often seen near one of the new nest platforms (H&JS). The tally of 30 **Bald Eagle** at HMS 9/17 is the 3rd highest daily count in their record books, and the highest since the DDT era (L Goodrich). One or 2 Bald were seen off and on at BML and GML all summer, and on 9/30, 10 Bald and an ad. **Golden Eagle** migrated over BML (H&JS, KK). The **Broad-winged Hawk** big day was 9/19, with 6652 at Beekman Orchard, Pike Twp (RK), 1814 at HMS (C Fosdick) and 63 at Leesport (D Kendall), for a total of 8529 birds. Early **N. Goshawk** at SGL 9/18 (K Grim) and HMS 9/26 (CF) previewed the big flight to come.

Already low lake levels dropped fast in the heat (LO was over 4' low in Aug.), attracting many shorebirds by mid-July. Birders reported 18 spp., including 5 **Sanderling** at BML and LO 8/2-29 (RK, KK, KL, J Mountjoy, H&JS), single **Western** at LO 8/8, 19, 22 (KK, KL, M Spence), single **Baird's** at LO 8/2-29 (m.obs.), an **Am. Avocet** at LO 7/19 (I Baldoch, KK, B Uhrich), a **Red-necked Phalarope** at BML 9/6 (J Eckert), and a record high of 276 **Least** at LO 7/22 (KK). There were 2 **Black Tern** at LO 8/8 (RK), 4 at BML 8/25 (H&JS) and 1 at GML 9/16 (KL); the only report of **Forster's** was at BML 9/17 (KK). Two **N. Saw-whet Owl** at SGL 7/9 (KG, H Lebo, MS, BU) were probably nesting.

A spectacular concentration of 3000 **Chimney Swift** funneled into a chimney near Reading High School at dusk on 9/18 (KK, BU). Hummingbird feeder watchers had many birds to keep track of this year, perhaps due to a drought induced lack of flowers. Reports of 5 or more per feeder were common. The high count at HMS was 25 on 8/29 (CF). The **Red-headed Woodpecker** pair on Kauffman Rd., Oley Twp was feeding young in the nest in late July (RK), and a juv. was seen at the Bowers site 9/19

(S Fordyce, P Saenger). Single birds passed over HMS on 6 dates 9/11-25 (CF). There were 6 reports of **Olive-sided Flycatcher** 8/22-9/10, mostly on the Kittatinny Ridge as usual (CF, KG, KK), and 1 of **Yellow-bellied** at Leesport 9/15 (DK).

It was an exceptional year for **Philadelphia Vireo**, with reports on 19 dates 8/19-9/26, including a high of 9 at HMS 9/11 (CF, m.obs.) Two **Red-breasted Nuthatch** were in S. Berks at Green Hills L., where they have nested, all summer (KL), and the first record of a strong fall flight was 1 at HMS 8/19 (CF). A **Brown Creeper** at a Bern Twp birdbath 8/20 (H&JS) was early, as were 1 or 2 **Golden-crowned Kinglet** in District Twp 8/29 (RK).

Birders listening for pre-dawn migrant flight calls heard hundreds of **Wood Thrush** passing over Hamburg (KG) and District Twp (RK) with a cold front 9/11, 12; many were heard clucking and "wipping" in the woods for a short time after dawn. On 9/19 (2 days after Hurricane Floyd), over 400 of 778 flight calls heard in 40 minutes before dawn in District Twp. were of **Swainson's Thrush** (RK). At least 10 **Gray-cheeked Thrush** were among 253 pre-dawn calls heard 9/24 (RK).

Birders reported 33 warbler spp. this quarter. **Pine** was again territorial at Green Hills L. (KL), as were **N. Parula** at SGL (KG) and Pike Twp (C Elwell), and **Yellow-breasted Chat** at BML (H&JS). Uncommon migrants were a **Golden-winged** in Bern Twp 8/13 (H&JS), single **Orange-crowned** at SGL 9/12, 26 (KG) and Leesport 9/17 (DK, KK, KL), a very rare fall **Yellow-throated** at Baldy Hill, District Twp 9/19 (CE), a **Cerulean** at HMS 8/28 (CF, M Wlasniewski), 2 record late **Worm-eating** at Baldy Hill 9/19 (CE), and single **Mourning** at Leesport 8/11, 19 (DK). Fall high counts of the more common warblers were reported 8/28 or the post-Floyd weekend of 9/18, 19.

One or 2 **Blue Grosbeak** were seen at various locations around BML 7/11-18 (H&JS, MW), and 1 or more were with sparrows in a sorghum field near there 9/26 (H&JS). Two **Purple Finch** at HMS 8/28 (CF) were the first local sightings of a large, widespread movement this fall. The only **Pine Siskin** was a fairly fresh corpse found in a BML parking lot 9/30 (HJS). A crossbill sp. was heard chipping over HMS 8/17 (CF).

Bucks County

Highlights include: A **Yellow-crowned Night-Heron** was seen at Peace Valley (PV) 8/4-9 (T Wurttenberger, A Mirabella, K Reiker). This is the 8th report for the county. A **Stilt Sandpiper** was reported at Pine Run on 8/10-14 (S Farbotnik, AM, KR). This was the 8th report for the county. A **C. Raven** was reported crossing the Delaware R. to Tullytown on 8/25 (W Dasy). This was the 6th report for the county.

Nesting Highlights: **C. Merganser** with young were reported at Center Bridge 7/25 (D Long). **Blue Grosbeak** feeding fledged young were at PV 8/9-21 (AM).

Other highlights: An **Am. Bittern** was at Silver L 9/30 (R Mercer). A **Cattle Egret** was reported on 8/13 in Buckingham (J Majdan). There were 7 sightings of **Bald Eagle** at PV and another 57 were reported across the county during the SEPT hawk count 9/13-23. There were 4 reports of **Merlin** at PV during Sept., plus 12 reported during SEPT. The **Broad-wing Hawk** count for the county during the SEPT count (9/13 to 23) was 20,385.

A **White-rumped Sandpiper** was at Pine Run 8/5, 11 (AM). A **Short-billed Dowitcher** was at Pine Run 8/6-14 (SF, AM, KR). A **Forster's Tern** was at PV on 8/4 (AM), and 3 on 9/12 (SF). Four **Black Tern** were at PV on 9/18 (TW).

A **Red-headed Woodpecker** was reported back at Revere on 9/9 (SF). A **Yellow-bellied Flycatcher** was at PV 8/23 (AM). **Red-breasted Nuthatch** were reported at PV 8/21 (AM). This was the first of many reports across the county, indicating a heavy migration for this species this year. A very early or late (?) **Am. Pipit** was at Pine Run 7/31 (SF). A **Golden-winged Warbler** was at Chalfont on 9/3 (R French). A **Rusty Blackbird** was at Revere 9/26 (SF).

EXOTIC: A **European Goldfinch** was reported at a feeder in Yardley on 7/1 and 7/5 (S Robertson).

Butler County

The quarter featured two outstanding visitors. An ad. **Trumpeter Swan** was present all period at L. Arthur (LA) (W Shaffer, D Darney, P Hess, M Fialkovich, M McConaughy et al.). It was the *county's 1st*, but undoubtedly came from one of the Great Lakes introduction projects though it had no band, collar or tag. When initially seen, its bill was wrapped loosely in fishing line, which it eventually succeeded in removing perhaps by scratching with a foot. A **Lark Sparrow** (*2nd Co. record*) was discovered at Moraine SP 9/24 (D Yovanovich, DD) and seen by a few others (B Dean, G Dean, R Stringer et al.) before disappearing that day.

Other highlights included single **Great Egret** at LA 7/2-7/27 (v.o.) and L. Oneida 8/20-9/17 (m.ob.); an ad. **Bald Eagle** at LA 9/16 (DY), then an ad. & imm. southbound together over Buffalo Twp 9/26 (C Bier); 2 **Osprey** fledging from only one of the 3 nests at LA; and a **Virginia Rail** at LA 7/4 (DD, DY). Best among 13 shorebird spp. were 2 **Western Sandpiper** 8/15 (MM), single **Baird's Sandpiper** on several dates 8/13-9/9 (m.ob.), and a **Short-billed Dowitcher** 8/13 & 8/27 (DY) all at L. Oneida, where a **Bonaparte's Gull** appeared 8/26 (DY). A **Caspian Tern** at LA 7/16 (DD, DY) was notable.

Landbirds of interest were 1-2 **Red-breasted Nuthatch** at Slippery Rock in July (G Wilhelm) and max. of 4 at Middle Lancaster 9/17 (F Lochner); a **Sedge Wren** at Glades 9/4 (S Butcher, R Crawford); a **Marsh Wren** at LA 7/2-7/11 (DY, DD); single **N. Mockingbird** at Glades 7/11 (SB, RC) and Moraine SP 9/25 (B Machesney), and a **Golden-winged Warbler** at Jennings Environmental Education Center 9/11 (DD, DY).

Carbon County

A 1st- fall **Blue Grosbeak** was at Beltzville SP on 8/12 (D Hawk, S Hawk). This is a new park record.

Centre County

We had a relatively uneventful summer, with no unusual species reported until migration started in mid-Aug. Two interesting species reported for the last quarter did remain for this quarter: the **Tundra Swan** at Curtin Marsh and the **Ruddy Duck** at the Penn State Retention Pond.

A **Double-crested Cormorant** was found in Aug. at Bald Eagle SP (B Snyder), while there were two Aug.

reports of **Great Egret** at Curtin Marsh (BS). An **Am. Coot** in early July at Black Moshannon SP was a good summer record (N Bolgiano).

Shorebird migration was fairly decent for this landlocked county, with about eight migratory species reported. The best reports were **Am. Golden-Plover** along Whitehall Rd in State College (P Rodewald) and **Short-billed Dowitcher** at Colyer L (P Rodewald). Tern reports included **Forster's** at Colyer L (M Dunson) and an adult **Caspian** being pursued by a noisy juvenile over Kepler Rd (PR).

There were three reports of **Yellow-bellied Flycatcher**: two from the Barrens (SGL-176) and one from Circleville Farm in State College (PR). Several **Philadelphia Vireo** were reported between late Aug and late Sept (PR). This is an interesting contrast to **White-eyed** and **Warbling vireos**; we had three reports total for these two species, even though they breed locally. Many thrushes heard in migration in the early morning hours over State College, including over two dozen **Swainson's** on one day (PR). Several **Gray-cheeked/Bicknell's** were also heard, and a few were found along Kepler Rd and in the Barrens (PR).

A **Magnolia Warbler** was found at Black Moshannon SP in early July, a probable breeding record (NB). Warbler migration was first noted in mid August, when species known to breed in the county were found well outside of breeding habitat. The first "real" migrants (species that don't breed in the county) were found in late August. Good records include **Connecticut** at Walnut Springs Park (M Heath, m.obs.) and Circleville Farm (PR) and **Mourning** at the Barrens (R Stone) and Walnut Springs Park (MH). There was a total of 30 spp. reported, which included 9 "real" migrants. One bird that was notable in its absence was Yellow-breasted Chat. Although we didn't have any reports of genuine northern visitors this quarter, we did have good movements of **Purple Finch**, as well as **Red-breasted Nuthatch**.

CORRIGENDUM: The Lark Sparrow reported last quarter remained only through 6/5, not through the quarter.

Chester County

There were very few reports. The following are the items of most interest.

From the 7/23 Philly Rare Bird Alert another **Glossy Ibis** was discovered at Chamber's Lake in Hibernia Park near Coatesville.

From the 8/20 Philly Rare Bird Alert 8/14 in the upper Brandywine Cr: **Pectoral, Least, and Solitary sandpipers**. Also **Ls. Yellowlegs, Caspian Tern**, and a Glossy Ibis.

From the 9/10, Philly Rare Bird Alert **Purple Finch** at a feeder. A **Red-necked Phalarope** was present early this week at Chambers L. in Hibernia Park. The bird was a molting juvenile.

From Tony Fernandes, Willistown Twp: **C. Nighthawk**, 1 on 8/26 and 2 on 9/12.

From Paul Earley, E. Goshen Twp, a first fall ♂ **Black-headed Grosbeak** on 9/10. The bird only stayed briefly and was not seen again. Details have been written, but I do not yet have a copy.

From Barry Blust, Upper Uwchlan Twp: a **Red-**

breasted Nuthatch was heard on 8/27. Although I had no others that quarter, I've had a few more already in Oct. & Nov. This is very unusual for my yard.

Clarion County

Ground or low-level nesting species in Cook Forest: Veerys - no reports; **Wood Thrush** - low numbers reported; **Hermit Thrush** - numbers seem to be down but not as badly as Wood Thrush; Ovenbird - no reports; Black-throated Blue Warbler - no reports. These results were in spite of 9 SAP field trips in Cook Forest this quarter, spending almost 28 party hours. Deer damage to the forest is heavy arid increasing every year.

Brown Creeper: **no** reports of Brown Creeper in Cook Forest SP from 4/1 to 9/30. It seems unlikely that the heavy deer population would explain Brown Creeper **absence** given their tree trunk habitat. Formerly they were common, though not abundant, nesters at Cook Forest.

A **Swainson's Thrush** was banded at Wentlings Corners by Walt Fye on 9/25.

Clay-colored Sparrow at Mt. Zion - follow up of breeding reported in preceding issue of *Pa. Birds*.

Red Crossbill - one ♀ found injured on 9/10 in old-growth of Cook Forest SP. It died shortly thereafter (broken neck) and is now in the collection at Clarion Univ. of Pa., Biology Department. Photographed on 9/13.

Clearfield County

There was not much coverage in the county until the latter part of the period. A **Pectoral Sandpiper** was a good find at Curwensville L. (M McConaughy). An adult **Merlin** was a fly over at Parker Dam SP, while another Merlin, or possibly the same individual, was found perched along the shore at the DuBois Res. (E Zielinski).

Clinton County

An **E. Screech-Owl** was heard on 8/19 in Swisssdale (D Laubscher). An **Osprey** was seen flying over Lock Haven on 8/30 (W Laubscher). One **N. Harrier** was in Swisssdale on 9/4 (WL) and 1 9/16 near Lock Haven (B Zbegner). The latest date reported for **Ruby-throated Hummingbird** was 9/19 at Woolrich and Swisssdale (BZ, WL). The first local **Red-breasted Nuthatch** were on 9/23 near Woolrich (WL).

Crawford County

A relatively hot and dry summer continued into the fall quarter. Lower than usual water levels at Woodcock L. and Pymatuning SP did not result in any major shorebird flights. A partial albino **Black-capped Chickadee** spent most of the quarter at a Meadville feeder (Mrs. Kiefer) and was photographed.

Highlight of the quarter was a **Whimbrel** at Pymatuning from 9/7-22, which was seen by m.obs.

Cumberland County

The first two months at Waggoner's Gap proved to be a very productive period. That total was 10,879 and the breakdown will be in next issue's hawk watch section.

Dauphin County

The Susquehanna R. from the W. Fairview and Wormleysburg vantage points yielded its usual array of

interesting species. At the top of the list was the discovery of a **Least Tern** 7/7 (R Koury) which may be the 1st Co. record. Also observed from these locations were **Short-billed Dowitcher** 7/20 (RK, G Randolph), **Little Blue Heron** 8/9 (P&R Williams), and a **Willet** 8/17 (D Hoffman) which is a very infrequent visitor. **Snowy Egret** were reported often by a number of observers. While river level remained low through July and August a variety of other shorebirds were also reported including: **Greater** and **Lesser yellowlegs**, **Semipalmated**, **Spotty**, **Least**, **Solitary**, and **Pectoral sandpipers**, and **Black-crowned** and **Yellow-crowned Night-Herons**. Waterfowl reports included **Blue-winged Teal**, **Hooded** and **Common mergansers** (many), and even an errant **Snow Goose** 7/14 (GR). **Forster's** 7/7 (RK), **Caspian** 8/8 (GR), and **Black Tern** 9/8 (DH) were also found in the vicinity.

From the New Market boat ramp a **Tricolored Heron** was seen on the shore of a river island 8/12 (RW). Haldeman Is., SGL- 290, also yielded its usual variety including two species not reported elsewhere, a **Semipalmated** and a **White-rumped sandpiper** 7/20 (S Bills).

Many reports of **C. Nighthawk** came in from late Aug to early Sept. The first was from Hershey stadium 8/21 (P Parson) and continued to 9/9 from Stony Valley (B Huffman). Noteworthy were the 92 counted in Harrisburg 8/24 (DH) and the 200+ observed over a field near the intersection of Rtes. 39 and 22 on 8/27 (J Barnette) who described the scene as "they were zipping around very low like some of those swallow blizzards you see sometimes." That must have been impressive!

"Several" **Yellow-throated Vireo** were found 7/12 (N Cladel) "gleaning in the shrubs in the north field" of her E. Hanover property; and a **Philadelphia Vireo** was discovered in Weiser SF in n. *Dauphin* 8/3 (T Neumyer). Early "winter" arrivals included **Red-breasted Nuthatch** in Stony Valley 8/19 (BH) which became quite common throughout by Sept., **Purple Finch** 9/8 (GR), and **Winter Wren** and **White-throated Sparrow** found near Linglestown 9/25 (JB).

Delaware County

The weather during the third quarter was characterized by severe dry conditions which persisted from the previous quarter to major floods following the passing of the remnants of Hurricane Floyd on 9/16. These heavy rains - and flooding- essentially eliminated the good shorebird habitat that had developed during the dry spell. The Rose Tree Park hawk watch began daily operation on 8/14 and produced some surprising results. A total of 162 spp. was found for the quarter.

A **Least Bittern** was found along the Darby Cr (DC) mitigation area 7/12 (T McParland). These birds are difficult to find in the *Delaware* portion of the John Heinz NWR at Tinicum, A pair of possible **Anhinga** was observed flying over Rose Tree Park (RTP) area 9/30 (S Conant). A ♀ **N. Pintail** and a ♀ **Green-winged Teal** continued from the previous quarter at DC. A **Ring-necked Duck** and **Gr. Scaup**, were at Springton Res. (SR) 9/30 (N Pulcinella). High counts for the following species were recorded at RTP: **Osprey** 20 on 9/20; **Bald Eagle** 9 on 9/17; **Sharp-shinned Hawk** 60 on 9/30; **Broad-winged Hawk** 2403 on 9/17; **Am. Kestrel** 35 on 9/26; **Merlin** 5 on 9/26. A very early

Golden Eagle was observed here on 8/26 (D Washabaugh).

Am. Golden Plover were found flying over Essington (ESS) 9/17 (NP). **Western Sandpiper** were reported sporadically at DC during August (A Guarente, NP). A **Stilt Sandpiper** was present at SR 7/16 (NP). Two different **Ls. Black-backed Gull** were observed near the Philadelphia Airport (PHL) 9/9 and 9/17 (NP). **Forster's Tern** peaked at 171 at DC 8/2 (NP). A good find was an adult **Black Tern** in ESS 9/16 (J Lockyer). A **Red-headed Woodpecker** was found on the grounds of Neuman College in Aston Twp 9/9-10 (D McGovern, T Reeves, S Edwards). A single **Yellow-bellied Flycatcher** was observed at Ridley Creek SP (RCSP) 8/26 (AG). **Cliff Swallow** nested once again at SR though nest building did not start into mid-July. **Red-breasted Nuthatch** began to arrive in the county on 8/3 1 (AG) and could usually be found daily afterward. Twenty-four species of warblers were noted this quarter including a **Golden-winged** 9/7 in Media (DM). A pair of **Worm-eating Warbler** nested at RCSP this summer. This species, is a sporadic nester in the county. A single **Black-and-white Warbler** was noted throughout the summer also at RCSP (AG, NP, S Gardo), but breeding could not be confirmed.

Early **Savannah Sparrow** were found at Neuman College 9/9 (DM, TR). The first **White-throated Sparrow** were noted on 9/26 (M Guenther) and the first **Dark-eyed Junco** was found 9/23 (AG). A pair of **Bobolink** spent the summer at DC but breeding was not noted.

Elk County

Red-breasted Nuthatch were seen all quarter. Dick Horsey reported a **N. Bobwhite** on 8/4. Also **Am. Woodcock** in Montmorenci area.

Don Weis saw a **Cooper's Hawk** try to get a **Ruffed Grouse** in the Dents Run area. Somehow the grouse escaped. On 9/19 he saw a **Broad-winged Hawk** fly over his home in St. Marys. Weis also reports seeing **Black-throated Green Warbler** on his travels.

In the fields in the Montmorenci area a local farmer didn't plant any corn and the fields just grew over. All summer I watched **Bobolinks** and **E. Meadowlarks** there. On 9/12 the ponds at Little Drummer (Allegheny NF) hosted **Red-tailed, Red-shouldered, and Cooper's hawks**.

Erie County

An amazing number of **Purple Martin** continues to roost in the hybrid cattails at the head of Presque Isle Bay. James Hill III has estimated 100,000 birds using this roost. Large numbers have also been seen staging in the area of beach 11 and Fry's Landing where thousands can be seen on the utility wires and trees in August especially in the late afternoon and early evening.

The beginning of a good flight of **Red-breasted Nuthatch** was noted in late Sept. when 20 or more could be found along pine tree trail and at Fry's landing.

Fayette County

A **Broad-winged Hawk** and a **Black-billed Cuckoo** were seen at Ohiopyle SP 7/14 (W&D Shaffer). A **Barred Owl** was seen at Mill Run Res. 8/17 (WS).

Yellow Warbler were still present 7/6 (M McConaughy). A **Prairie Warbler** was still singing at OSP 7/14 (W&DS).

ERRATUM: Margie Kern, not Mike Fialkovich, should have been listed with Joyce Hoffmann and Ellen Partridge for the **Painted Bunting** observers in the previous issue.

Forest County

A **N. Goshawk** was at Buzzard Swamp on 7/2 (P Conway, B Gourley, D Freed). An unexpected **White-throated Sparrow** was seen at Cook Forest SP on 7/27 (M Buckwalter). Last **Ruby-throated Hummingbird** were seen in a yard in Tionesta on 9/12 (F&J McGuire).

Franklin County

The most exciting birds were 3 **Red-necked Phalarope** at the Greencastle Res. They remained long enough to provide observation by many birders. Also a higher than usual number of **Red-breasted Nuthatch** are visiting feeders. A **Caspian Tern**, rather uncommon for here, was seen at the reservoir.

Recently a fair number of persons feeding birds have been disturbed by hawks scaring away their small birds and, incorrectly, Red-tails are being blamed.

There seemed to be a good number of **Ruby-throated Hummingbird** reported. At least 31 were observed by G. Tressler on Black Gap Rd in mid-Aug. Sightings were reported into Oct.

Fulton County

Dale Gearhart and Ken Gabler noted 110+ **E. Bluebirds** in Cito/McConnellsburg areas on 8/25.

Huntingdon County

A **Great Egret** was present at Huntingdon 7/27-8/6 (D Kyler). High Sept. counts from Stone Mtn hawk watch included 14 **Osprey**, 96 **Sharp-shinned** and 16 **Cooper's hawks** (all on 9/30), 652 **Broad-winged** (9/19), 43 **Am. Kestrel** (9/17), and 5 **Peregrine Falcon** (9/25).

Both cuckoos were found in higher numbers this year, esp. **Yellow-billed**. Late dates were 8/27 **Black-billed** (P Rodewald) and 9/28 **Yellow-billed** (DK). 270 **C. Nighthawk** passed over Perez L. 8/23 (G Grove). **Whip-poor-will** were heard as late as 9/12 (PR, GG).

More than the usual number of **Philadelphia Vireo** were found (L Grove. GG, PR) A **Marsh Wren** was at Whipple Dam SP 9/27 (GG). The autumn warbler migration was thought to be earlier than normal. Variety and numbers seemed to be average or better. **Purple Finch** and **Pine Siskin** had been recorded by mid-Sept. (DK, PR)

Indiana County

The first July date for **Blue-winged Teal** in the county was recorded (D Jacobs) this quarter. **Green-winged Teal** appeared almost a month earlier than usual (M McConaughy). In addition, an imm. **Bald Eagle** was seen during much of July and August (*vide* T Fetterman) at Yellow Creek SP (YC) as well as an adult also there on 7/22 (TF). **Am. Coot** had started to arrive by the end of the quarter. A nice variety, if not high numbers of shorebirds, was found at YC as the drought brought more extensive mud flats than usual. Unusual shorebirds included **Black-bellied Plover, Sanderling, White-rumped and Baird's sandpipers, and Short-billed Dowitcher**, all singletons and each reported only once during the period. The highlight of the season was a **Red-necked Phalarope** in

basic plumage noted at YC on 8/29 (M&R Higbee et al.), a 2nd Co. record.

Cuckoos were absent from the county with not one report of **Black-billed** this quarter and reports of **Yellow-billed** only at Clarksburg and at Blue Sruce Co. Park. Warblers put in a nice appearance this fall. A **Worm-eating Warbler** seen at YC 9/28 (MH, J Salvetti, L Wagner) was unexpectedly late. Marcy Cunkelman at Clarksburg obtained a county late date for **N. Waterthrush** (9/27) and the second latest fall date for **Louisiana Waterthrush** (9/8). By the end of September small flocks of **Purple Finch** were reported throughout.

Juniata County

July and Aug. were hot and dry. Bird activity matched the weather until about the middle of Aug. when nice flocks of **C. Nighthawk** moved through. Between 8/20-30 huge flocks of swallows passed through. Mostly **Tree**, with some **N. Rough-winged**, **Barn**, and **Cliff** mixed in.

Mid-Sept. Brought several nice waves of vireos and warblers. The **Broad-winged Hawk** movement was stretched out more than usual, although a nice kettle of 46 was reported from Hammer Hollow (L Whitesel) on 9/18.

The 2 **Sora** were found while mowing the third cutting of hay on 9/12 in Van Wert area. The "invasion" of **Red-breasted Nuthatch** in late Aug. was a bit unusual and were reported in many areas. Last, but not least, the pair of **Barn Owl** again fledge 4 young on the Renno farm.

Lackawanna County

Bill Reid made a few trips and in addition to the highly expected species found 3 **C. Merganser** on 8/25; 2 **Yellow-billed Cuckoo** on 8/15; **Willow Flycatcher** 7/16; **Least Flycatcher** on 7/4; and a **Baltimore Oriole** was still singing on 8/15.

Lawrence County

3 **Wild Turkey** at Plain Grove on 9/2. A **Ring-necked Pheasant** at Copper Rd on 8/5. A **E. Screech-Owl** on McCreary Rd on 9/2. A roost of 125 **Am. Crow** was found on Vosler Rd on 8/28. Nine **Carolina Wren** were singing at New Castle on 9/5. Three **N. Mockingbird** were in Amish area on 7/29. All these reports were submitted by George and Barb Dean and Candy Gonzalez.

The Deans made an extensive study of **Red-headed Woodpecker**. Due to their efforts, nearly 30 indiv. were located in eleven areas. This demonstrates the importance of individual species studies that are local in their habitat and distribution.

Lebanon County

A **Pied-billed Grebe** at Memorial L. (ML) on 8/15 was early by two months. With the drought turning ponds into shallow mud holes, herons and egrets ate all the fish, mostly catfish. There were 23 **Great Egret** at Middlecreek WMA (MC) on 8/6 for a new high. An imm. **Little Blue Heron** at MC 8/15-20 was a 4th Co. record. An ad. **Tricolored Heron** at Reistville ponds on 7/30 was a county 1st.

Swainson's Hawk was seen twice. A light phase ad. at Mt. Wilson on 8/11 with 2 **Broad-winged Hawk**, and 1 on 9/18 at Second Mtn.

Shorebird migration was average, with a **Baird's**

Sandpiper on 8/27 at MC the highlight.

Barn Owl were reported nesting again. There is probably only 1 pair nesting in the county. **C. Nighthawk** made a record high showing at Swatara SP on 8/22, iwth 211 flying NE. They also set a late date with 6 on 9/26 at SGL-145.

Another **Yellow-bellied Sapsucker** was found at SGL-211 on 7/11, suggesting a new probable breeder. A ♀ **N. "Red-shafted" Flicker** was seen heading E on 9/19 at SGL-145. **Red-breasted Nuthatch** were found at SGL-145 on 9/12. **Blue Jay** set a record high of 1003 at SGL-145 on 9/26. Warblers were in very good numbers. Highlights were: **Golden-winged** 9/12; **Orange-crowned** at eye level on 9/19; **250 Black-throated Green** on 1/19 a new high; and a **Mourning** on 8/29. All at SGL-145. And the 6 **Purple Finch** on 9/26 at SGL-145 were a good find.

Lehigh County

The heat and drought not only affected the birds, but also the birders. With limited sighting reports, this summer was "dry" in more than one way. Across the county, birders commented that species usually present, such as **Am. Robin**, were either missing or in low numbers. On 8/8 a **Pied-billed Grebe** was on the pond at Trexler Park in Allentown. Fourteen **Great Blue Heron** were seen roosting on Sterner's Is. in the Lehigh R. 9/24, with it mentioned that they might be nesting at that location. A **Great Egret** was reported 8/16 and 9/25 at Leaser L (LL).

On 9/18, raptors made a good appearance along the ridge above Macungie, with a **Black Vulture**, a **Bald Eagle**, and 100 **Broad-winged Hawk** being seen in a half-hour. 150 **Broad-winged Hawks** were seen early in the morning of 9/25 above LL. Shorebirds would have expected to have been reported in good numbers due to the low water levels, but only small numbers of **Gr. Yellowlegs** (2), **Spotted** (2), **Semipalmated** (5), and **Pectoral** (1) sandpipers on 8/5 were reported for LL.

Tree and **N. Rough-winged swallows** started moving through in numbers during the first two weeks in July. Two **Fish Crow** were at Muhlenberg L. on 9/8, a species that seems to be under-reported, but present in good numbers. Warblers seen 8/19-27 in Macungie were **Chestnut-sided**, **Black-throated Blue**, **Canada**, and **Magnolia**. On 9/21, 22 **Tennessee**, **Nashville**, and **Chestnut-sided** warblers were reported for west Allentown areas. On 9/25 **Scarlet Tanager**, **Red-eyed Vireo**, 10 **Black-throated Green**, 2 **Chestnut-sided**, and **Magnolia** warblers were at LL. **Red-breasted Nuthatch** on 9/19 was the first of many reports from the area and a **Purple Finch** at Trexler Park on 9/22 seem to be the beginning of a number of regional sightings.

Luzerne County

The Fall Migration Count conducted on 9/18 tallied a total of 94 spp., well below last year's total. Noteworthy finds were 5 **Philadelphia Vireo**, **Tennessee Warbler**, and **Gray-cheeked Thrush** (J Shoemaker, B Walilewski, S Goodwin).

Council Cup Hawk Watch Site reported 22 **Bald Eagle** on 9/17 (R Koval, A Gregory, N Dennis) along with 656 **Broad-winged Hawk**.

A **Caspian Tern** was observed by (J Hoyson) at Forty

Fort on 8/15 while conducting his Common Nighthawk Migration Count. A high of 347 C. Nighthawk were counted on 8/23.

With an uneventful fall migration, I sure am looking forward to participating in the winter Christmas Bird Counts. Perhaps another northern finch invasion ?

Mercer County

In addition to one at L. Wilhelm, there were 3 active **Osprey** nests at Shenango R. Res. (SRR), where 5 young fledged. 2 ad. were still calling at one site near the Headquarters Bldg. 8/27, and one carried a large stick with leaves attached to the nesting platform that was occupied by a Canada Goose in the spring. 9/7 was the last Osprey sighting of the quarter (M Fialkovich, J Hoffmann). SRR also has 4 active **Bald Eagle** nests (3 in Ohio and 1 in Pa.) that fledged 6 young. The Pa. nest failed, but 5 young from the three Ohio sites hatched, and 1 bird was fostered.

An amazing variety of shorebirds fed at the mud flats of the very low SRR 8/3-9/25, including a **Red Knot** on 8/30 (R Stringer, Troyer family). (No details.)

A 1st Co. record was a **Cattle Egret** 9/9 on Zahnizer Rd., which remained until 9/19 (TF). Another first record was the **Franklin's Gull** first seen by Russ States 8/13 at SRR, and found there again by MF (along with m.obs.) mixed in with **Ring-billed**. Documentation has been sent to PORC.

There is a good side to those ugly high radio towers that dot the landscape and confuse and kill migrating birds: they serve as resting places for **Turkey Vulture**. At a tower off Rte 62 near I-79, 10 were seen resting briefly at mid-day 9/25.

After a diligent search of known and possible nesting sites, Barb Dean totaled an amazing 31 **Red-headed Woodpecker**, which includes 9 juv.

In the pre-dawn hours on 9/14-16, Neil Troyer heard an estimated 200+ migrating **Swainson's Thrush** over Williamson Rd. He also spotted a beautiful male **Connecticut Warbler** 9/21 on Nicklin Ln that offered excellent viewing and a close approach of 10'. 28 spp. of warbler were reported.

The final note is on **E. Towhee**. Sadly, it is declining at Hermitage.

Mifflin County

There was a report of **Black Vulture** nesting near the *Mifflin/Huntingdon* line.

Adult **Bald Eagle** were reported near Ryde on 7/6 (R Hesser); 8/1 (A Miller); and during Aug. and Sept (B Kauffman).

On 9/12, Sally Zook observed 12 **Killdeer** in a tree at her drive on Jack's Mtn and saw 12 in the same tree on the next day.

C. Nighthawk Surveys were in August at these sites: Mapleton Depot (K&S Tucker); Newton Hamilton, (R&J Singer); River Road, Mattawana (W Kauffman, M Kenep); the river at Lewistown (G Bickel, K McMullen) for a total of 531 nighthawks.

Whip-poor-will reports were up. Several reports from Don Miller and Fern Anderson's capmpsite still had them calling past the end of Sept.

This spring we place 17 additional bluebird boxes on our property and along farm fence rows. At last tally we

had 54 young fledged and still more to count. On a cool snap in late Sept. during a feeding frenzy, the bluebirds cleared every Pokeberry from the stalks on bushes around walnut trees in our orchard. It was humorous. There are lots more berries out there. Some boxes will provide winter roosts. The berries were frosted and probably became sweet. Needless to say, the berries are all gone on those bushes. The rosehips, honeysuckle, and Barberry bushes are plentiful and more poke berries remain on the fencerows.

The **Tree Swallows** fledged 27+ young. They were compatible with the bluebirds most of the time. It just required running with another box at times to save the controversial housing problems. After they got into the box all went smoothly in nesting and rearing young. Only once did I need to stop mowing in front of a swallow box as they flew under my straw hat and too near my face. I got the message as the 5 little heads protruded from the nest hole observing my intrusion.

On 9/8, 5 **Pine Siskin** were at backyard feeders (MK). During Aug. and Sept. the local wooded areas were alive with warblers, seeming to be feeding and sometimes the birdsongs almost sounded spring-like.

Both **Baltimore** and **Orchard orioles** built locally and **E. Phoebe** and **Am. Robin** were plentiful. The **Carolina Wren** family consists of 5 juv. and the nest site is still a mystery. Last season she built in an over-turned rinse tub in the carport, and the year before they nested in a rolled up rug overhead in the garage. The adults could be seen traveling into the garage through a tiny hole at the garage door corner. By sitting in the car for a while that nest was finally discovered. Two adults are now sleeping in a pine bough lined hanging flower-pot on the porch. They are a pleasure.

Large flocks of **W. Turkey** are being seen in the corn stubble fields. A **Ruffed Grouse** was seen on Stone Mtn by Paul Renno recently.

Monroe County

The quarter was notable for the lack of rain and lack of reports received.

Single migrant **Osprey** passed over the Monroe Co. Environmental Education Center (MEC) 8/31 and 9/30 (B Hardiman). J. Serrao reported a **Cooper's Hawk** at a nest with 3 young in Canadensis 7/5 and a family of **Red-tailed Hawk** successfully hunting Gray Squirrels through Sept. and early Oct. at the Skytop golf course. A **Peregrine Falcon** was a good find near the Delaware R. in the Bushkill area 9/26 (JS).

Yellow-billed Cuckoo were in the Tannersville Bog area 7/14 (BH), at MEC 7/23 (BH), and at Zimmer Preserve in late July (E Parnum). **C. Nighthawk** were moving 8/27 with flocks of 6 near Stroudsburg and 40 near Delaware Water Gap (BH). A **Whip-poor-will** was still calling 7/21 near Cresco (J Rituper) and **Ruby-throated Hummingbird** was reported to the end of the period at a Brodheadsville feeder (D Giffels). An **Olive-sided Flycatcher** was found 8/16 at Skytop (JS).

MEC feeders had at least 2 **Red-breasted Nuthatch** from 9/15+ (BH). A surprising find was a **Yellow-throated Warbler** at MEC 9/7 (BH), and **Connecticut Warbler** were reported from Delaware Water Gap 9/9 and in the Bushkill area 9/26 (JS). Three **Pine Siskin** made a somewhat early appearance at the MEC feeders 9/30 (BH).

Montgomery County

This quarter brought a veritable mixed bag of weather. Included were the driest month (July 0.25") and the wettest day (Sept. 16 - 7.60") on record at Green Lane Res. (GLR). Not surprisingly, these extremes had a marked impact on birding (especially shorebirding) in the area. Heron variety at GLR was poor, with only **Great Egret** reported along with the expected **Great Blue** and **Green herons**. A **Tricolored Heron** at Fort Washington SP (FWP) 9/17 was a very nice find (B&N Murphy). Small numbers of **Double-crested Cormorant** spent the summer at GLR. Early waterfowl included 3 **Gadwall** at GLR 9/23 (K Knight); 3 **N. Pintail** at GLR 9/5 (GA Franchois); 25 **Blue-winged Teal** at GLR 9/25 (GAF); and 47 **Wood Duck** at Upper Perkiomen Park (UPV) 8/30 (K Crilley). 1-2 adult **Bald Eagle** were at GLR throughout the period (m.obs.), and our first **N. Harrier** was seen 8/12 (A&J Mirabella, KC). An early **Merlin** was at GLR 9/5 (GAF) and several subsequent dates (AJM, KC, KK). An **Am. Coot** was at GLR on the unusual date 7/11 (GAF).

Hopes of a banner year for shorebirds faded as the season progressed. Extensive mudflats in July and August attracted a modest variety of birds. Tropical storm "Floyd" completely inundated the flats 9/16. A total of 19 shorebird spp. was observed including a **Black-bellied Plover** 8/11 (KC, A Curtis), a high of 3 **Am. Golden-Plover** 9/9 (AJM), a high of 8 **White-rumped Sandpiper** 9/9 (AJM), a **Baird's** 9/14 (AJM), 200+ **Least** 8/11 (GAF), 5 **Short-billed Dowitcher** 7/16+ (KC), 20 **Stilt Sandpiper** 9/7 (AJM, R Wiltraut), a **Western Sandpiper** 9/3+ (GAF), single **Sanderling** 8/20, 9/1, and 9/11 (KR, KC, AJM), and 2 **Red-necked Phalarope** 9/7 (K Reiker, I Baldoch, AJM).

3 **Ringed-billed Gull** were at GLR on the unusual date of 7/20 (KC). An all-time high count of 21 **Caspian Tern** were at GLR 8/29 (GAF, KR). Better yet were 2 **Least Tern** there 7/14, marking only the 4th county record (AJM)! 2 **Black Tern** were at GLR 9/7 (AJM, IB).

The Mirabellas' Upper Gwynedd butterfly garden hosted a **Yellow-bellied Flycatcher** 9/21, and a **Least Flycatcher** 9/13 (AJM). I wonder what they're growing there! Our only **Philadelphia Vireo** was found at Haverford College 9/12 (S Johnson). An early **Red-breasted Nuthatch** was at Gwynedd Preserve 7/29 (AJM), and was followed by many others (m.obs.). A total of 22 warbler spp. was reported, including such highlights as **Worm-eating** at FWP 8/31 (BNM); **Nashville** at Norristown Farm Park 9/19 (J McBready); **Connecticut** at GLR 9/25 (GAF); **Yellow-breasted Chat** at FWP 9/12 (BNM); and **Wilson's** at Haverford College 9/19 (SJ).

Sparrows of note included a **Savannah** and 2 **Lincoln's** at GLR 9/20 (KC). As is usually the case, the only **Blue Grosbeak** found were at NFP where 6 were noted 8/29 (JM). Bobolink numbers at GLR peaked at a modest 80 birds 9/20 (KC). Small numbers of **Purple Finch** were at GLR 9/25+ (GAF).

Montour County

Highlights include both adult and imm. **Bald Eagle** observed on several occasions around Montour Preserve. These birds could be a result of a reported nesting on the Susquehanna R. near Danville, approx. 10 miles away.

In late July and early August 3 sightings of an **Am. White Pelican** occurred at L. Chillisquaque. Robert Bleiler

of Montour Preserve's maintenance staff first called the bird to my attention mid-morning on 8/24 when he observed the pelican fly off the lake and begin spiraling upward in a thermal. I arrived shortly afterwards to see the pelican through binoculars as it continued spiraling upward in the thermal. The huge wingspan, stocky body, and black coloration on the tips and trailing edge of the wings were unmistakable. The bird eventually moved off in a SE direction. On the evening of 8/5 a husband and wife who had been kayaking on L. Chillisquaque reported seeing a large white bird with an estimated 7'-wingspan and black wing tips fly over them and land on the lake. Although they thought it was a pelican they were somewhat skeptical because they did not notice an extended pouch. The third sighting was from a second couple who had been canoeing on the lake also in early August. Once again, the pelican passed over them as it was approaching the lake. They observed the bird land some distance from them and immediately recognized it as a pelican.

Philadelphia County

Philadelphia was assailed this quarter by the drought of the century, 40+ days without rain until Hurricane Floyd (9/16) dumped 12" of rain on the city. Fortunately, birders were not deterred, but the effect on the birds themselves is still unknown.

John Heinz National Wildlife Refuge at Tinicum (TI) had a **Least Bittern** on 8/27 (E Parnum) and an **Am. Bittern** on 8/15 (G Gorton) and 8/21 (B Stewart). On 7/11 on the Wissahickon (WI) Scott McConnell saw 3 imm. **Green Heron** and 5 **Wood Duck** broods. **Blue-winged Teal** were at TI on 7/12 (EP) and 9/26 (D McGovern).

Adult **Bald Eagle** delighted birders at TI on 9/26 when 62 Am. Crows gave chase (DM, m.obs.). The Spring Lane (SL) "gang of four" **Black Vultures** grew to 6 on 10/23 (C Hetzel). Steve Lawrence saw 2 **Red-Shouldered Hawk** in the WI Park on 8/9 and another on 8/22. A good flight day 9/18 for **Broad-wings** was noted over Mt. Airy (K Russell).

Black Tern appeared at TI from 8/23-28 (J Waldie, EP) just two days after being reported at L. Ontaulanee (*Berks*). Birders along the Delaware R. (DR) and TI had a high count of 42 **Forster's Tern**. On 9/18, two days after Floyd, 40 **Caspian**, and an as yet unconfirmed **Royal Tern**, with hundreds of **Laughing Gulls** were observed on the DR passing Old Fort Mifflin.

Yellow-bellied Flycatcher was found on the WI 8/19 and 8/22 (SL). McConnell's 7/11 walk along the WI also produced a dazzling 26 **Acadian Flycatcher**, 3 **Yellow-billed Cuckoo**, and a **Red-breasted Nuthatch**. Nearby, at Spring Lane, a **Red-breasted Nuthatch** appeared on 8/22 with 5 more by 8/27 (CH). The first 6 **C. Nighthawk** were reported by C Lyman. A high count of 150 was seen by D Cutler. **Chimney Swifts** returning to the Shawmont School chimney in Roxborough numbered only 300 compared to 3000 in years past (J Stepanaskie).

Notable in the quarter were those warblers NOT reported: **Mourning**, **Connecticut**, **Cerulean**, and **Hooded**. Warbler watching at TI was interrupted when it closed due to the devastation of Floyd. Only 19 spp. were seen including a **N. Waterthrush** 8/4 (DM), but no **Blackburnian**, **Prairie**, **Blue-winged**, or **Tennessee** was reported. At Livezy Lane SL counted 20 species: **Cape May**

and **Blackburnian** on 9/29, **Tennessee** on 9/19. **Bay-breasted** were at LL on 9/12 (SL) and Veree Rd 9/19 (M Drake). Finally, on SM's 7/11 WI walk were 2 **Pine Warbler** families. **Yellow-breasted Chat** were noted at TI 8/29 (DM) and in F. Winfelder's NE yard on 9/20.

At TI on 8/22 DM counted more than 42 **Baltimore Orioles** crossing the frog pond in the company of 10 E. Kingbirds, Cedar Waxwings, Overnbird, Magnolia and Yellow warblers and Blue-gray Gnatcatcher. **Bobolink** passed by TI from 7/18-30.

Schuylkill County

We recorded 166 spp. A probable **Black-crowned Night-Heron** was near the Hidden Valley area 7/29 (A Liebner). Two **N. Shoveler** were at Sweet Arrow L 9/18 (D Donmayer) and 1 **Green-winged Teal** was there 9/1 (DD). The first **Bald Eagle** was reported from Hawk Mtn Sanctuary 8/9 (staff). A **N. Goshawk** was at SGL-110 Port Clinton 9/4 (K Grim). The first **Merlin** turned up at HMS 8/24, and the first **Peregrine Falcon** was reported from that location 8/16 (staff).

Although present, no **Black-billed Cuckoo** was reported. **Red-headed Woodpecker** was reported from SGL-110 9/3 (D Kruel), and also on 9/11,24 at HMS (staff). The only **Yellow-bellied Sapsucker** was at HMS 9/18. **Olive-sided Flycatcher** was reported from SGL-110 on 8/13, as well as 9/1 (DK, KG). There were 9 **Philadelphia Vireo** at HMS 9/11 and 1 at SGL-110 9/19 (DK). **Red-breasted Nuthatch** were quite numerous throughout the county for the entire quarter. There were two **Swainson's Thrush** at HMS 9/18. **Golden-winged Warbler** continue to be reported during 3rd quarters, especially at SGL-229 near Tremont. **Pine Warbler** are now confirmed to be breeding in the county, but unfortunately the only **Cerulean Warbler** report was at HMS 8/28.

Lincoln's Sparrow continue to be recorded during 3rd quarter reports, with 1 at HMS 9/11, 1 at SGL-160 near Rock 9/18 (DK), and 1 at Schwartz Valley Rd in Wayne Twp 9/19 (S Weidensaul). A ♀ **Blue Grosbeak** was reported and photographed in the Adamsdale area 8/23 (V Connor). A pair of **Orchard Oriole** were successful breeders at SVR, first seen 7/1 (SW). The only **Purple Finch** were 1 at HMS 8/28, 1 at SGL-110 9/3 (DK), and 1 on 9/19 as well. And finally, a most unexpected find was an adult ♂ **Evening Grosbeak** at a flowering crabapple tree in the Adamsdale area 8/21 (VC).

N.B.: The Schuylkill County Bird Hotline 570-622-6013 has been disconnected. Dave Kruel will be the new county compiler as of the 4th quarter.

Somerset County

Red-necked Grebe was present on 9/23 at High Point L. (A Marich). An imm. **Black-crowned Night-Heron** flew overhead at dusk on 8/19 (S Bastian). Two **Snow Geese** in with a Canada Goose flock were early on 9/6 (J Bastian, SB). **Osprey** nested and fledged 1 young at Somerset L (SL) and 2 at Cranberry Glade L. (AM). An imm. **Bald Eagle** was found at Quemahoning Res. (QR) on 9/6 (SB). Shorebirds of note included: 2 **Black-bellied Plover** at QR on 8/25 (SB); **Am. Golden Plover** near Lambertsville on 9/3 (SB); 2 **Sanderling** at QR on 8/30 (SB) and 1 at SL on 9/17, all imm. (SB); and **W. Sandpiper**

at QR on 8/21 (SB) and again at SL on 8/27 (J&L Payne). 24 **Pectoral Sandpiper** was high at SL on 9/30 (SB). **Caspian Tern** was found at SL on 8/20 (SB). **C. Tern** was present at QR on 9/21 (SB) and **Forster's Tern** was an early surprise on 7/9 at SL (SB). **Black Tern** were present from 8/23-25 at SL, with a high count of 10 on the 25th (SB).

Philadelphia Vireo on 9/14 and **Red-breasted Nuthatch** on 9/15 were nice at Payne's place. Two **Purple Martin** were at QR with swallows on 8/17 (SB). **Bank Swallow** continue to nest in sand stockpiles at two quarries near High Point L. with 56 burrows at one site and six at the other. Sadly, the site with 56 burrows is about to be reclaimed (AM). **Gray-cheeked Thrush** was unusual on Laurel Mtn on 9/25 (SB), as was **Orange-crowned Warbler** at Payne's place on 9/14. Fifty **Indigo Bunting** was high on 8/29 at Payne's place and **Pine Siskin** were present through the quarter as they bred on Whitehorse Mtn again. An occupied **Am. Goldfinch** nest was located in Markleton on 9/12 (AM).

Sullivan County

Severe drought all quarter (lowest stream levels ever remembered by life-long residents) until arrival of 3.5" of rain on 9/16 from Hurricane Floyd. Neither weather extreme could be attributed to any definite effect on birdlife.

Two **Great Egret** arrived at SGL-13 on 8/7 (D Gross) with 1 remaining through 8/11 (N Kerlin). First **Snow Goose** flock of 35 over Eagles Mere on 9/24 (F Crafts). Wandering **Bald Eagle** reports on 8/7 at Dutch Mt and 8/28 at Laporte (S. Conant).

Single **Red-headed Woodpecker** at High Knob from last quarter not seen this quarter, having apparently left area after being unsuccessful in attracting a mate. **Scarlet Tanager** in low numbers all quarter (v.o.).

Susquehanna County

Bill Reid reports the following: 4 **Wood Duck** on 8/23. A ♀ **Blue-winged Teal** with 3 young were seen in Springville Twp 7/20. Two **Solitary Sandpiper** were found 8/12.

Grassland sparrows included **Savannah, Grasshopper** and **Henslow's**.

Tioga County

A **Carolina Wren** was at Jobs Corners on 7/24 (L&A Brown). A **C. Yellowthroat** was feeding a **Brown-headed Cowbird** on 7/27 (L&AB).

Wood Thrush sang through 8/4 (late) near the Muck (R Ross). About 25 **E. Kingbird** were hawking insects from a ¼-mile power line over the Muck 8/12-22 (RR).

Venango County

The quarter saw some relief from the drought. Fruit bearing trees and shrubs, like wild cherry, were loaded with fruit. This was great for migrating and roving birds, like robins and Cedar Waxwings. The migration was a little early and produced good numbers and varieties.

A summer **C. Loon** at Kahle L. (KL) on 7/24 was unusual, but not unheard of. A day of hawk watching at Buttermilk Hill Nature Sanctuary on 9/23 produced 17 **Bald Eagle** sightings, consisting of at least 5 indiv. (J Stanley). The Barkeyville Fields contained a **N. Harrier**

pair feeding a young bird on 7/10 (R States, JS). Two **Merlin** sightings in Sept. seem to mirror the increase in these birds elsewhere.

The Polk Wetlands gave us 13 spp. of shorebirds, for our shoreless county a good count. The first **Short-billed Dowitcher** (imm.) in more than 15 years stayed for 5 days and allowed everyone in the area a good look. No gulls or terns were reported for the quarter.

An outing on 7/11 produced 23 **Whip-poor-will** in a 2-mile section of road in SGL 45 near Van. Two similar trips the same week in other gamelands produced 2 and 3 Whip-poor-will in the same length of road.

Olive-sided Flycatcher was present from 8/22-9/19 at BHNS. **Yellow-bellied Flycatcher**, very uncommon, was found again this fall. BHNS produced our only **Gray-cheeked Thrush** records on 9/20 and 9/24 (JS). **Red-breasted Nuthatch** were found in many areas.

Twenty-seven species of warblers were present at some time during the quarter. The highlights include a nesting **Worm-eating** on 7/11 at BHNS), a **Black-and-white** reusing the Worm-eating Warbler nest the next week. An **Orange-crowned** on 9/28 at Two Mile Run Park. And the failure of our only **Kentucky Warbler** to return this year. **Tennessee**, **Bay-breasted**, and **Blackpoll** were at their highest numbers in many years.

3-4 **Lincoln's Sparrow** were at TMRP for the week 9/17-24. A flock of up to 250 **Bobolink** congregated for the second year at the Polk Wetlands.

Warren County

An **Osprey** was along Conewango Cr., N. Warren (NW) on 9/30 (C Putnam), who also saw a **Bald Eagle** there 9/8. Two imm. Bald Eagle at Starbrick 9/19 (CP) and another imm. At Buckaloons Recreation Area 9/23 (CP). A **E. Screech-Owl** was calling at NW 9/4-7 (CP). A **Common Raven** was heard over NW on 9/19 (CP).

Three **Red-breasted Nuthatch** at a feeder in Warren from 9/13 (T Grisez), and singles at two other feeders.

Westmoreland County

Two ad. **Bald Eagle**, rare in *Westmoreland*, were spotted along Laurel Hill just s.e. of Laughlintown 9/11 (J Maxwell). An imm. **Sora** was banded at Powdermill Nature Reserve 9/2 (R Leberman). Better shorebird records included an **Am. Golden Plover** at Trout Run Res., Ligonier 9/21 (B Shaw), and a **Short-billed Dowitcher** 8/26 at Mammoth (M McConaughy). Two **Caspian Tern** and 2 **Forster's Tern** were at Trout Run Res. 9/14 (RL); even more unusual were 19 **Black Tern** at Donegal L. 8/25 (R Stringer). **Mourning Dove** were especially common in the Ligonier area, including one flock of 500+ on 8/9 (RL). A "text book" **Brewster's Warbler** was banded at PNR 8/8 (BS, RL, R Mulvihill), as was a very early migrant **Tennessee Warbler** 7/21 (BS, RM). Two early **Red Crossbill** were at Delmont 9/9 (K Byerly).

Wyoming County

About 146 spp. were recorded through the 3rd quarter.

A well-described **Golden Eagle** was reported by Scott Killam near Forkston on 9/6. Most of the shorebirds were found at Phelps Swamp and Brown's Pond in Lemon Twp and there were some records at LaGrange Is. at S. Eaton. The very dry summer caused very low water levels and the

large pond at Phelps Swamp became a mudflat.

Blackpoll Warber were again found breeding at Coal Bed Swamp (D Gross). On the unusual date of 7/16 I observed a **Yellow-bellied Flycatcher** at 15" in my yard in S. Eaton for 10 minutes. It was in a hemlock tree at eye level. There are no suitable breeding sites in the immediate vicinity, but the site is only about 30 air miles from where they breed in *Sullivan*. Could this be an unmated male from there? (BR). On 7/1 Skip Conant found a pair of **Evening Grosbeak** in courtship behavior at the very location where they bred about 5 years ago.

York County

Pied-billed Grebe at Codorus SP (CCP) on 7/3 (K Lippy) and Long Arm Dam (A Spiese). Three separate sightings of **Yellow-crowned Night-Heron**: Gut Rd on 7/9 (J&L Downs); at the Kiwanus L. rookery with an ad. **Black-crowned Night-Heron** on 7/11 and several imm.; 1 on Brunners Is. 8/4 (A Spiese). An early sighting of 13 **Blue-winged Teal** at CSP 8/4 (AS). Five **N. Shoveler** at CSP 8/20 (P Robinson). **N. Pintail** at CSP 7/3 (KL). An early **Sharp-shinned Hawk** at Spring Grove 8/8 (B Fortman, S Wildasin). A **N. Goshawk** on 9/14 at Rocky Ridge hawk watch was early. Also there was a **Swainson's Hawk** on 9/19 (C&K Orris, D Wildasin). A **Merlin** was reported S of Hellam on 7/1 (J&L Fultz). An unexpected **Peregrine Falcon** was seen on the ground near Porters Sidling 7/17 (KL).

Two sightings of **Black-bellied Plover**: 8/13 at LAD and 8/23 at CSP (AS, KL). Not seen every year, **Sanderling**, **Western** and **Stilt sandpipers** showed at CSP mudflats. This gave a total of 14 spp. of small shorebirds between 7/11 and 9/30. Two **Short-billed Dowitcher**, 1 juv. and 1 ad., at CSP 8/10 and 2 dowitcher sp. 7/10 at LAD and 9/8 at CSP (AS). A **Wilson's Phalarope** at CSP 9/19 (PR). A **Red-necked Phalarope** at CSP 9/7 (PR, KL).

Not seen every year, a **Philadelphia Vireo** at the hawk watch 9/11-12 (J&J Prescott et al.). The 3 sightings of **Red-breasted Nuthatch** by 8/30 may mean good winter numbers. A **Golden-winged Warbler** at L. Williams 9/19 (BF, SW). A **Yellow-throated Warbler** at the hawk watch 9/12 (R Phillips, SW). A rather late **Yellow Warbler** at Gifford Pinchot SP 9/11 (J&JP). At least 12 **Bobolink** remained at Lauxmont Farms 8/3 (J&L Downs).

We wish to acknowledge the following individuals and organizations for supporting *PENNSYLVANIA BIRDS* through additional gifts.

David M. Miller
Lancaster County Bird Club*
Paul & Glenna Schwalbe*

*Designates Patron (contribution of \$50.00 or more)

PHOTOGRAPHIC HIGHLIGHTS



Greater Shearwater, *Berks*, 9/10/1999. Photo by Scott Weidensaul.



Greater Shearwater, *Berks*, 9/10/1999. Photo by Scott Weidensaul.



Long-billed Dowitcher, Washington Boro, *Lancaster*, 9/4/1999. Photo by Bob Schutsky.



Buff-breasted Sandpiper, Washington Boro, *Lancaster*, 9/3/1999. Photo by Bob Schutsky.



Red-necked Phalarope, Codorus State Park *York*, 9/7/1999. Photo by Peter Robinson.



Wood Stork, Willistown Twp. *Delaware*, August 1999.



Trumpeter Swan, Moraine State Park, *Butler*, 7/15/1999.
Photo by Walt Shaffer.



Leucistic Black-capped Chickadee, Meadville, *Crawford*,
9/21/1999. Photo by Mary Kiefer.



Red Crossbill, Cook Forest State Park, *Clarion*, 9/10/1999.
Photo by Margaret Buckwalter.

Seasonal Occurrence Tables - July through September 1999

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.

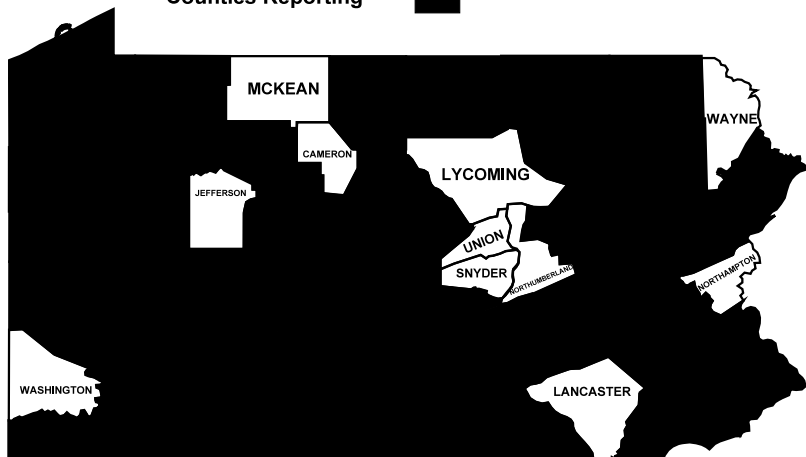
A-5/6(25) means the species was present all quarter with a high of 25 on 5/6.

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 - JULY TO SEPTEMBER 1999

Counties Reporting



SEASONAL OCCURRENCE TABLES - JULY THROUGH SEPTEMBER 1999

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
LOON, COMMON	8/24-9/10	-	-	-	-	-	P	-	8/2→	-
GREBE, PIED-BILLED	9/30	-	9/12→	-	-	A-9/24(45)	P	-	7/24	9/10-26(9)→
CORMORANT, DOUBLE-CRESTED	-	8/17-9/8(32)→	-	-	9/20	A-8/29(110)	P	-	-	8/9-9/30
HERON, GREAT BLUE	R	-	A	-	R	R	R	A-8/20(7)	R	A
EGRET, GREAT	8/10-9/14(5)	-	-	-	-	A-9/10(15)	P	-	7/21→	7/2-9/17
HERON, LITTLE BLUE	-	-	-	-	-	-	-	-	8/2-14	-
HERON, GREEN	A	→9/5	→9/2	→9/9	-	→9/19	A	→9/1(4)	A	→7/25(6)
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	→9/25	-	-	8/3-6	-
VULTURE, BLACK	R	-	-	-	-	R	-	-	R	-
TURKEY	R	A-8/31(20)	A-9/26(13)	-	A	R	A	A-9/1(5)	R	A
GOOSE, SNOW	R	R	R-8/18(125)	-	R	A	-	-	-	-
CANADA	R	R	-	-	R	R	R	R	R	R
SWAN, MUTE	A	R-7/5(9)	A-9/15(8)	A	→9/20(18)	R	-	A-8/25(17)	A	A
DUCK, WOOD	A	-	-	-	-	7/19-9/25	R	-	R	-
GADWALL	-	-	-	-	-	9/18→	-	-	9/18→	-
WIGEON, AMERICAN	-	R	8/19→	-	-	A	P	-	R	-
DUCK, AMERICAN BLACK	R	R	R-9/9(10)	-	R	R	-	R	R	R
MALLARD	R	R	9/12(8)	8/26(4)→	9/20(4)	8/13-9/30(36)→	P	-	9/1→	A-9/26(14)
TEAL, BLUE-WINGED	-	-	-	-	-	8/27-9/30(10)	-	-	9/18→	-
SHOVELER, NORTHERN	-	-	-	-	-	9/26	-	-	9/29→	-
PINTAIL, NORTHERN	-	-	-	-	-	8/22→	P	-	8/19→	9/3
TEAL, GREEN-WINGED	-	A	-	-	-	-	-	-	R	-
MERGANSER, HOODED	-	-	-	-	-	-	-	R-8/25(13)	-	-
COMMON	-	-	-	-	-	-	-	-	-	-
DUCK, RUDDY	-	-	8/20-9/17	-	-	A-9/30(12)	-	-	-	-
OSPREY	-	8/25-9/5	9/5→	8/30	-	A-9/30(78)	P	8/29-9/9	A	A
EAGLE, BALD	-	-	-	-	9/20	A-9/17(30)	-	A	A	A
HARRIER, NORTHERN	R	8/25	8/29→	-	-	8/15-9/19(23)→	-	-	8/30→	-
HAWK, SHARP-SHINNED	R	R	R	-	A	R-9/30(506)	R	-	R	A
COOPER'S	R	R	R	-	A	R-9/30(103)	R	-	R	R
GOSHAWK, NORTHERN	-	-	-	-	-	A	-	-	-	-
HAWK, RED-SHOULDERED	R	A	→9/13	→9/13	-	A-9/26(3)	-	-	R	A
BROAD-WINGED	A	→7/5	→9/21	→7/2	→9/20	A-9/19(8529)	P	-	→9/23	P
RED-TAILED	R	R	R-9/4(4)	R	R	R	R	R	R	R
KESTREL, AMERICAN	R	R	R-8/5(9)	R	R	R-9/30(127)	R	R	R	R
MERLIN	-	9/6→	-	-	-	8/17-9/19(7)→	-	-	→9/21	-
FALCON, PEREGRINE	-	-	-	-	-	8/16-9/17(3)→	-	-	R	-
BOBWHITE, NORTHERN	R	-	-	-	-	-	-	-	R	-
RAIL, VIRGINIA	-	-	-	-	-	-	P	→9/9	-	7/4
SORA	-	-	-	9/15	-	-	P	-	-	-
COOT, AMERICAN	-	-	-	8/22	-	A-9/25(17)	P	-	-	9/16-26(66)→
PLOVER, SEMIPALMATED	-	-	-	8/25	-	7/11-8/9(15)-9/10	P	-	→9/25	7/28-8/26(6)-9/17
KILLDEER	R	A-9/5(20)	A-9/24(48)	-	A	R-7/22(150)	A	A-8/11(28)	R	A-7/25(50)
YELLOWLEGS, GREATER	-	8/25	8/15-9/6	8/15-9/6	9/5	7/19-9/18	-	8/11-9/1	7/25-9/18	7/20-28(7)-9/17
LESSER	-	8/2	8/15-9/17	8/29→	-	7/10-9/15(50)-25	-	9/1-9	7/27-9/20	8/1-15(8)-9/17
SANDPIPER, SOLITARY	7/18	7/22(9)→	7/19-8/23	8/29→	→9/5	→7/22(23)-9/18	A	→9/1	→9/3	7/22-8/15(14)-9/9
SPOTTED	A	A-8/2(6)	A	→9/9	-	8/22-9/18	-	-	-	→7/28(4)-9/17
SANDLERLING	-	-	-	-	-	-	9/14(3)	-	-	-
SANDPIPER, SEMIPALMATED	-	9/5	9/24(6)	-	-	7/12-21(20)-9/7	-	8/11(3)	→7/29(12)	7/24-8/26(6)-9/9
WESTERN	-	-	9/24	-	-	8/8-22	-	-	-	8/15
LEAST	-	7/22-8/2(4)-9/5	8/19-9/24	8/4(8)-9/9	-	7/10-22(276)-9/15	-	8/11(20)-9/1	7/21-8/21	7/20-8/15(31)-9/9
WHITE-RUMPED	-	-	9/24	-	-	8/29-9/7(9)	-	9/1	8/5-11	-
BAIRDS	-	-	8/20-9/13	-	-	8/2-29	-	-	-	8/15-9/9
PECTORAL	-	9/6	8/26→	-	-	7/11-8/1(12)-9/15	-	8/11(3)-9/1	7/25-9/19	7/20-8/29(15)-9/9
SANDPIPER, STILT	-	-	-	-	-	8/15-9/15(7)	-	-	-	-
DOWITCHER, SHORT-BILLED	-	-	-	-	-	7/10-8/27(5)-9/6	-	-	8/6-14	8/13-27
SNIPE, COMMON	-	-	8/22-9/6	-	-	8/4	-	-	-	8/22-26

SEASONAL OCCURRENCE TABLES - JULY THROUGH SEPTEMBER 1999

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
WOODCOCK, AMERICAN	A	→7/11	-	-	-	-	P	→8/1	-	A
GULL, BONAPARTES	-	9/2-3	-	-	-	-	-	-	-	8/26
RING-BILLED	A	8/30→	8/19→	8/4→	-	8/22(13)→	A	-	A	A-8/29(75)
HERRING	-	R-9/5(30)	-	9/6	-	-	-	-	A	8/23
TERN, CASPIAN	8/18	8/22(4)-9/3	8/20	-	-	8/22-9/16	-	-	7/30-9/20	7/16
FORSTER'S	-	-	-	-	-	9/17	-	-	8/4-9/12	-
BLACK	-	-	-	-	-	8/8-25(4)-9/16	-	-	9/18(4)	-
CUCKOO, BLACK-BILLED	→SEP	→9/10	→7/3	→8/22(8)	-	8/17-9/18	A	→8/25	→8/14	-
YELLOW-BILLED	-	→9/28	-	A	-	→9/19	A	-	→9/25	→7/24
OWL, BARN	R	-	R	R	R	R	R	R	R	R
BARRED	R	-	R	R	R	R	R	R	R	R
NORTHERN SAW-WHET	-	-	-	-	-	7/9	-	-	R	-
NIGHTHAWK, COMMON	→8/21(45)-9/2	A-8/27(670)	-	→8/17	→8/26	→9/18(21)-24	P	-	→9/10	→8/23(200)-9/7
WHIP-POOR-WILL	P	→7/14(4)	8/28	-	→9/20	-	→9/30	-	-	P
SWIFT, CHIMNEY	A	A-9/26(30)	→8/2(4)-9/1	A	-	A-9/18(3000)	→9/12(100+)-14	→7/27	A	A
HUMMINGBIRD, RUBY-THROATED	A	→9/25	→8/20	→9/25	→9/26	A-8/23(25)	P	→7/30(4)-9/6	→9/20	→9/14
WOODPECKER, RED-HEADED	R	9/11	-	-	-	R	-	-	R	-
SAPSUCKER, YELLOW-BELLIED	R	9/22→	9/24	9/24	-	9/18→	-	A	9/11	-
FLICKER, NORTHERN	R	R	A	→9/24	R	R	R	R	R	A
FLYCATCHER, OLIVE-SIDED	-	-	-	-	-	8/22-9/10	-	-	8/21-30	-
WOOD-PEWEE, EASTERN	A	A	→8/20	A	→9/5	9/15	-	→9/15	A	P
FLYCATCHER, YELLOW-BELLIED	-	-	-	→9/15	9/22	→9/19	P	-	8/23	-
ACADIAN	A	P	-	-	-	-	-	-	→8/7	P
ALDER	-	-	-	-	-	-	-	-	-	P
WILLOW	P	→7/3	-	→8/29	-	→8/8	-	-	→8/11	P
LEAST	9/23	→9/26	-	-	-	-	P	-	→9/18	P
PHOEBE, EASTERN	A	A	→9/15	-	A	A	-	A	A	A
FLYCATCHER, GREAT CRESTED	P	P	→9/15	9/15	→9/20	→9/25	P	→7/8	→9/20	P
KINGBIRD, EASTERN	P	→7/22(4)	→8/18(5)	→8/22	-	→9/12	P	→8/11	→8/28	P
VIREO, WHITE-EYED	A	→9/13	-	A	-	→9/12	-	-	→9/26	→9/11
BLUE-HEADED	-	A-9/26(3)	-	9/27	→9/20	A-9/23(7)	A	→9/29	9/11→	A
YELLOW-THROATED	-	→9/18	-	→9/17	-	→9/23	P	-	→9/23	P
WARBLING	P	→9/26	→9/15	→9/15	-	→9/12	P	-	→9/26	P
PHILADELPHIA	-	9/9-19(5)→	9/15	-	-	8/19-9/11(10)-26	P	-	8/23-9/25	-
RED-EYED	A	A-8/29(9)	→7/2(23)-9/15	A	-	A-8/29(12)	A	→8/25	A	P
CROW, FISH	R	-	-	-	-	R	-	-	R	-
RAVEN, COMMON	R	-	A	-	R	R	R	R	-	-
LARK, HORNED	A	R	A-8/19(25)	-	-	-	R	R	-	A
MARTIN, PURPLE	P	9/15(4)	-	-	-	→8/24	P	-	-	P
SWALLOW, TREE	A	P	-	→8/29	-	A-9/17(2000)	A	→9/17(50)	A-8/28(2000)	A
NORTHERN ROUGH-WINGED	P	→7/19	-	→8/20	-	→9/12	P	-	→7/27	P
BANK	P	-	-	-	-	→8/8(500)-9/24	P	-	→9/3	P
CLIFF	-	-	-	-	-	→9/13	P	-	→8/2	P
BARN	A	→9/6	→8/19(30)	→9/15	-	→9/24	P	→8/20(100)-9/17	→9/25	→9/25
CHICKADEE, CAROLINA	R	R	-	R	-	R	R	R	R	-
BLACK-CAPPED	A	R	R	R	R	R	R	R	R	R
NUTHATCH, RED-BREASTED	-	8/28-9/11(3)→	-	8/30	9/6→	A-9/18(8)	9/4→	-	8/21→	A-9/17(4)
CREEPER, BROWN	-	8/13→	-	7/4	→9/20	A	R	R	A	A
WREN, HOUSE	A	A	→8/5	A	→9/27	→9/26	P	→9/26	A	→9/24
WINTER	9/11	9/23→	-	-	-	8/27-9/17(5)→	9/9→	-	8/21	P
MARSH	-	-	-	-	-	-	P	→9/17	-	→7/11
KINGLET, GOLDEN-CROWNED	-	-	-	A	9/20→	A	P	-	-	-
RUBY-CROWNED	-	9/22→	-	9/24	9/20→	8/19→	P	9/27→	8/24→	9/26→
GNATCATCHER, BLUE-GRAY	P	→9/23	-	→8/22	→9/20	→9/28	P	-	A	P
VEERY	A	A-7/3(19)	-	→9/23	-	→8/29	P	→7/31	→9/18	P
THRUSH, GRAY-CHEEKED	-	9/19→	-	-	-	9/24(10+)	-	-	-	P
SWAINSONS	-	9/10-19(14)→	-	9/6→	9/20(8)	8/23-9/19(400)→	-	-	9/19→	P

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
HERMIT	-	9/9	-	-	-	A	A	-8/10	-	-
WOOD	A	A-7/3(18)	-	A	-9/27	A	A	-9/14	A	-9/26
ROBIN, AMERICAN	R	R	R-7/1(20)	A	R	R	R	A	R	A
CATBIRD, GRAY	A	A	A-8/20(3)	A	-9/26	A	A	A	A	P
THRASHER, BROWN	A	-9/28	-	A	-8/17	-	P	-7/23	A	P
PIPIT, AMERICAN	-	-	-	9/27	-	-	-	-	7/31	-
WARBLER, BLUE-WINGED	P	-9/9	-	-9/17	-	-	-	-	-9/13	-9/24
GOLDEN-WINGED	-	-	-	-	-	8/13	-	-	9/3	9/11
TENNESSEE	-	9/10-26(10)→	9/15	9/30(5)→	-	9/7-19(4)-29	-	-	9/3-26	9/11
ORANGE-CROWNED	-	-	-	-	-	9/12-26	-	-	8/24→	9/3-6
NASHVILLE	-	8/29-9/20(5)→	9/15	9/17→	-	8/19-9/18(6)-28	-	-	A	-
PARULA, NORTHERN	A	9/10-11	-	-8/30	-	A-9/18(5)	P	-	-	-
WARBLER, YELLOW	P	-7/11	-8/2	-9/17	-8/17	-8/28	P	-7/11	-9/14	P
CHESTNUT-SIDED	-	8/29(4)-9/20	-	8/29→	-9/12	A-8/28(10)	P	-7/15	-8/11	-9/11
MAGNOLIA	-	8/29-9/10(10)→	9/15(3)	9/27	9/29	8/19-9/19(25)→	P	-	8/21→	9/3→
CAPE MAY	-	9/9-26(6)→	-	-	-9/20	8/27-28(6)-9/20	P	-	9/19	9/6→
BLACK-THROATED BLUE	-	8/31-9/19	-	-	9/20	8/19-9/19(18)→	P	-9/29	8/23→	9/3-17
YELLOW-RUMPED	-	9/6→	9/24(30)→	-	-	9/18→	P	-	9/19→	9/30(8)→
BLACK-THROATED GREEN	A	8/31-9/26(10)→	A	9/9→	-9/20	A-9/18(54)	A	-9/6	8/14→	A
BLACKBURNIAN	-	8/29-9/2	7/8	9/13-20	-	8/23-28(27)-9/26	P	-7/27	8/14-9/19	9/6-10
YELLOW-THROATED	-	-	-	-7/2	-	9/19	P	-	-	P
PINE	P	9/19-26	-	-	-	A	-	-	A	-
PRAIRIE	-	9/21-22	-	-	-	-9/26	P	-7/19	-9/19	P
PALM	-	9/10-22(6)→	9/26→	9/23	-	-	-	-	9/12→	9/13-24
BAY-BREASTED	-	8/29-9/19(7)→	9/15	-	-	8/28-9/18(13)-19	P	-	8/24→	9/6-11
BLACKPOLL	-	9/8-26(30)→	9/15	9/27	-	8/28-9/18(5)→	P	-	9/11→	9/17→
CERULEAN	P	-7/3	-	-	-	-8/28	P	-	-8/6	P
BLACK-AND-WHITE	A	8/29-9/21	-	-9/15	-	A	P	-8/24	A	-9/26
REDSTART, AMERICAN	A	A	-	-9/23	-8/9	A	P	-	A	-9/26
WARBLER, WORM-EATING	P	9/13-19	-	-7/4	-	-9/19	P	-	-8/21	P
OVENBIRD	A	A	-9/15	-	9/13	-9/19	P	-9/3	-9/19	P
WATERTHRUSH, NORTHERN	-	9/21	-	-	-	9/12	-	-	8/2-9/25	-
LOUISIANA	P	-	-	-8/4	-	-7/23	P	-	-	P
WARBLER, KENTUCKY	P	-	-7/2	-9/3	-	P	-	-	-	P
CONNECTICUT	-	-	-	-	-	-	P	-	7/12	-
MOURNING	9/12	8/20	-	9/3-20	9/24	8/11-19	P	-	8/30-9/13	-
YELLOWTHROAT, COMMON	A	A	-7/2(30)-9/15	A	-9/5	A	A	-9/12	A	A
WARBLER, HOODED	A	-9/12(3)-18	-	A	-8/17	-9/23	P	-	-9/4	P
WILSON'S	-	9/10-29	-	9/20	-	8/23→	9/19	-	8/23-9/11	-
CANADA	-	-	-	-	-	-8/28(10)-9/23	P	-	8/10-30	-
CHAT, YELLOW-BREASTED	A	-7/12	-	-	-	-JUL	-	-	-	P
TANAGER, SCARLET	A	A-9/17(4)	-9/15	A	-9/20	A-8/28(23)	P	-7/24	A	P
TOWHEE, EASTERN	A	A-9/18(5)	A-7/2(17)	A	A	-	A	A	R	A
SPARROW, CHIPPING	A	A-9/1(20+)	A-9/1(45)	A	-	A	A	-7/24	A	A
FIELD	A	A-9/21(8)	A	A	-	A	A	-7/14	R	A
VESPER	A	A	-	-	-	AA	A	-	-	P
SAVANNAH	A	-7/22	-9/15	-7/30	-	A	A	-	R	P
GRASSHOPPER	P	-7/22	-	-8/4	-	P	A	-	-	P
HENSLOW'S	-	P	-	-9/6	-	-	A	-	-	P
LINCOLN'S	-	9/16→	-	9/20-27	9/24	9/11-19(3)-26	-	-	9/20→	9/30
SWAMP	A	-	A-9/2(4)	-7/30	-	A	A	-8/20	R	A
WHITE-THROATED	-	9/17→	-	9/20→	-	9/19→	-	R	9/22→	9/24→
WHITE-CROWNED	-	9/19	-	-	-	9/28→	-	-	-	9/25→
JUNCO, DARK-EYED	-	9/28→	-	-	-	9/18→	-	R	-	-
GROSBEEK, ROSE-BREASTED	A	A	9/26→	-	-	9/18→	A	-	-	-
BLUE	P	-	-9/9	A	-9/15	A-9/24(12)	A	-9/9	A	-9/13
BUNTING, INDIGO	A	A	-7/2(20)	A	-9/20	-9/25	P	-8/6	-	P

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER
BOBOLINK	P	-	-	-	-	P	P	-	-	P
BLACKBIRD, RED-WINGED	R	A	A	-	-	A	A	-	-	A
MEADOWLARK, EASTERN	A	-	-	-	-	A	A	-	-	A
BLACKBIRD, RUSTY	-	-	-	-	-	-	-	-	-	-
GRACKLE, COMMON	R	A-9/29(500)	A-9/24(60)	9/30	A	A	A	A	9/26	A
COWBIRD, BROWN-HEADED	R	A	A	-	A	R	A	A	R	A
ORIOLE, ORCHARD	P	-	-	-	-	-	-	-	-	-
BALTIMORE	P	-	-	-	-	-	-	-	-	-
FINCH, PURPLE	A	-	-	-	-	-	-	-	-	-
ADAMS	8/1-9/10(3)	A	-	-	-	-	-	-	-	-
GREBE, PIED-BILLED	9/10(8)→	9/5	8/10→	9/23→	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	A-9/3(4)	9/5	8/16	-	-	-	-	-	-	-
HERON, GREAT BLUE	A	-	A	A	-	R	R	-	-	R
EGRET, GREAT	-	-	-	-	-	-	-	-	-	-
HERON, LITTLE BLUE	-	-	-	-	-	-	-	-	-	-
HERON, GREEN	-	-	-	-	-	-	-	-	-	-
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	-	-	-
VULTURE, BLACK	-	-	-	-	-	-	-	-	-	-
TURKEY	-	-	-	-	-	-	-	-	-	-
GOOSE, SNOW	A	R	A	A-9/12(29)	A	-	A	A-9/27(4)	-	R-8/3(60)
CANADA	R	R	R	R	R	R-7/1(28)	R	R	R	R
SWAN, MUTE	-	-	-	-	-	-	-	-	-	-
DUCK, WOOD	-	-	-	-	-	-	-	-	-	-
GADWALL	-	-	-	-	-	-	-	-	-	-
WIGEON, AMERICAN	-	-	-	-	-	-	-	-	-	-
DUCK, AMERICAN BLACK	-	-	-	-	-	-	-	-	-	-
MALLARD	R	R	R	R	-	R	R	A-9/27(23)	A	R
TEAL, BLUE-WINGED	9/15→	-	-	-	-	-	-	R-8/14(2221)	R	R
SHOVELER, NORTHERN	-	-	-	-	-	-	-	8/8-9/27(72)→	-	7/7→
TEAL, GREEN-WINGED	-	-	-	-	-	-	-	9/19	-	-
MERGANSER, HOODED	-	-	-	-	-	-	-	8/14-9/29(28)→	-	-
COMMON	-	-	-	-	-	-	-	A	-	P
DUCK, RUDDY	-	-	-	-	-	-	-	7/19→	-	P
OSPREY	7/11-9/18(3)	-	A	-	-	-	-	7/18-8/8	-	-
EAGLE, BALD	8/9-9/22	-	-	8/29-9/26	-	8/30	P	-	A	P
HARRIER, NORTHERN	8/20→	-	-	9/5-25	-	-	-	R-7/18(4)	A	R
HAWK, SHARP-SHINNED	R	A	R	R-8/15(4)	-	9/4-16	-	A	A	P
COOPER'S	R	A	R	R-9/19(3)	A	R	R	A	R	R
GOSHAWK, NORTHERN	-	-	-	R-9/12(3)	A	R	R	A	R	R
HAWK, RED-SHOULDERED	A	-	-	-	-	-	-	-	-	-
BROAD-WINGED	A-9/19(5)	A	P	A	P	-	P	A	A	R
RED-TAILED	R	R	R	R-9/26(6)	R	R	R	R-8/14(7)	R	R
KESTREL, AMERICAN	R	R	R	9/17	R	R	R	R-8/8(9)	R	R
MERLIN	-	-	-	8/29	9/27	-	-	8/21	P	-
FALCON, PEREGRINE	-	-	-	-	-	-	-	-	P	-
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	-	-
RAIL, VIRGINIA	-	-	-	-	-	-	-	-	-	-
SORA	9/29(6)	-	8/10	7/24	-	-	-	-	-	-
COOT, AMERICAN	-	-	7/2	-	9/27	-	-	-	-	-
PLOVER, BLACK-BELLIED	-	-	-	-	-	-	-	9/27-29(5)	-	-
AMERICAN GOLDEN	-	-	9/18	-	-	-	-	8/14	-	-
SEMPALMATED	-	-	-	-	-	-	-	-	-	-
KILLDEER	A-8/12(70)	-	8/22-9/28	A	A	-	-	8/28-9/18	-	7/20
YELLOWLEGS, GREATER	7/29-9/8	-	A-9/5(41)	-	-	-	-	A-9/29(104)	A	A
ADAMS	8/12(18)	-	P	-	-	-	-	7/3-9/29(53)	8/2	7/11-9/7

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	CAMBRIA	CARBON	CENTRE	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
LESSER SANDPIPER, SOLITARY SPOTTED	8/4-7(7) 7/29-8/4(11)-9/24 A-8/2(10)	7/24	7/24-9/28 7/24-9/26 7/24-9/28	-	-	-	-	7/3-9/27(132) 7/22-8/29 →9/19	7/27 7/27 P	7/11-20(7)-8/9 P →8/8
SANDPIPER, SEMIPALMATED WESTERN	8/20	-	8/10-15	-	-	-	-	9/6(6)-19 9/27	-	7/20(6) -
LEAST WHITE-RUMPED PECTORAL	7/29-8/4(10)-9/30 9/8	8/14	7/28-8/10(15)-22 8/12-9/28	-	-	-	-	7/10-22(8)-9/29 8/6 7/26-9/29(21)	-	7/11-9/1(6) 7/20 7/20(4)
SANDPIPER, STILLT DOWITCHER, SHORT-BILLED	-	-	8/10 9/28	-	-	-	-	9/5-29(6) 8/28(5)-9/27	-	7/20 P
SNIPE, COMMON	9/14	-	8/10	-	-	-	-	9/5-29(6) 8/28(5)-9/27	-	7/20 P
WOODCOCK, AMERICAN	A	-	→9/26	A	-	-	-	→9/19 7/3-8/8(3000)	A	A A
GULL, RING-BILLED	A	-	-	-	-	-	-	9/19(120)	A	A P
HERRING TERN, CASPIAN	-	-	9/14	-	-	-	-	8/8	8/2	8/8
FORSTER'S BLACK	8/29-9/10 8/24-9/18	-	9/22	-	-	-	-	7/10-19	7/27	7/7 9/8
CUCKOO, BLACK-BILLED	-	-	→8/15 →9/26	→8/29	-	→7/28	-	→9/5	-	P →9/11
YELLOW-BILLED OWL, BARN	-	-	-	-	-	-	-	-	R	R
NIGHTHAWK, COMMON	R	R	→8/26(42)-9/9	R	R	R	R	R	R	R
WHIP-POOR-WILL	→9/5	-	-	→SEP	-	→7/15	→9/4	→9/3(7)	→8/24(92)	→8/27(200+)-9/9 P
SWIFT, CHIMNEY	A	A	P	A-8/28(340)	-	→8/5(4)	P	→9/24(60)-29	A	A
HUMMINGBIRD, RUBY-THROATED	→9/23	A	P	→8/29(6)-9/12	-	→9/19	→9/19	-	P	→9/23
WOODPECKER, RED-HEADED	-	-	-	-	-	-	-	→9/19	R	-
SAPSUCKER, YELLOW-BELLIED	7/11-9/27	-	9/18	-	9/27	R	-	-	-	-
Flicker, Northern	R	R	A	→8/23(4)-9/26	R	R	R	R	R	R
Flycatcher, Olive-sided	8/25-9/10	-	-	-	-	-	-	8/24	-	-
WOOD-PEWEE, EASTERN	→9/24	A	→9/19	→8/23	-	-	→9/13	→9/11	A	→9/11
Flycatcher, Yellow-bellied	-	-	8/26-9/12	-	-	-	-	-	-	-
ACADIAN ALDER	→7/9	-	P	→9/6	-	-	-	→8/22	P	→8/2
WILLOW LEAST	→7/28	A	P	→7/17 7/5	-	-	-	→8/1 →7/17 →8/1	P P P	→AUG P
PHOEBE, EASTERN	A	A	P	→7/19	A	→9/29	A	A	A	A
Flycatcher, Great Crested	→7/29	A	P	→7/12	-	-	P	→9/19	P	→8/8
KINGBIRD, EASTERN	→8/29	A	P	→7/7	-	-	P	→9/5	A	→SEP
VIREO, WHITE-EYED	-	-	8/26	-	-	-	-	→7/17	P	→9/11
BLUE-HEADED YELLOW-THROATED	→9/26	A	A	9/3(6)→	-	-	A	7/1-18 →9/19	A P	A P
WARBLING PHILADELPHIA	8/25-9/24	-	→9/14 8/28-9/24	-	-	-	-	→9/18	P	P
RED-EYED CROW, FISH	A	A	→9/26	A-7/26(26)	-	→7/11	A	→7/17(107)	A	8/3 A
RAVEN, COMMON	-	-	A	R-7/26(3)	R	R	R	-	R	R
LARK, HORNEED	R-9/27(30)	-	A	-	-	-	R	7/18	R	-
MARTIN, PURPLE	A	A	P	→AUG	-	-	-	→8/7(250)-28	P	-
SWALLOW, TREE	A	A	P	→9/14	P	→8/6	→9/21(30)-23	→8/14(5140)-9/19	A	A
NORTHERN ROUGH-WINGED	-	-	-	→9/19	-	-	P	→8/14(6)-9/19	A	A
BANK SWALLOW	-	-	-	-	-	-	P	→8/14(100)-9/5	-	→AUG
CLIFF BARN	→7/19(30)-8/6 →9/24	A	P P	→7/5(12)-8/2 →9/11	-	→8/28	P	→8/14(110)-9/5 →8/14(1055)-9/28	A	A A
CHICKADEE, CAROLINA	-	-	-	R	-	-	-	-	R	R
BLACK-CAPPED NUTHATCH, RED-BREASTED	R A	R 8/24	R A	R R-9/3(6)	R 9/21	R A-9/23(3)	R A	- 7/24-9/27	R A	R 8/19→

SEASONAL OCCURRENCE TABLES - JULY THROUGH SEPTEMBER 1999

	CAMBRIA	CARBON	CENTRE	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
GREENER, BROWN	R	-	R	R	A	-	A	9/19	A	R
WREN, HOUSE	-	A	-	-SEP	-	-	A	-7/17(17)-9/27	A	-SEP
WINTER	-	-	-	-8/2	-	-	-	-	-9/30	9/25-
MARSH	9/23	9/25	-	-	-	-	-	-7/13(10)-9/19	-	-
KINGLET, GOLDEN-CROWNED	8/24-	8/24-	R	-	A	-	9/27-	7/24	A	-
RUBY-CROWNED	8/24-	8/24-	9/19-	-	9/21-28	-	9/27-	-	-	-
GNATCATCHER, BLUE-GRAY	A	A	-9/19	-AUG	-	-	-9/8	-7/17	A	-
VEERY	-	A	-	-AUG	-	-	P	-7/17(7)	A	A
THRUSH, GRAY-CHEEKED	-	-	-8/22	-	-	-	9/12	-	-	P
SWAINSON'S	-	-	SEP	9/25	-	-	9/12	-	P	SEP-
HERMIT	A	-	A	-7/10(6)-8/15	A	-	P	-	A	R
WOOD	A	A	-9/20	-8/15	P	-7/20	P	-9/26	A	-SEP
ROBIN, AMERICAN	R	R	-	-	A	A	R	A	R	R
CATBIRD, GRAY	A	A	A	A-9/25(4)	A	-7/11	-9/19	-	A	A
THRASHER, BROWN	A	A	A	-	-	-9/25	-9/19	-8/29	-	-SEP
PIBIT, AMERICAN	-	-	-	-	-	-	-	9/22-29(23)	-	-
WARBLER, BLUE-WINGED	-	-	-9/11	-	-	-	-	-9/5	P	P
GOLDEN-WINGED	-	-	-8/31	-	-	-	-	-	-	P
TENNESSEE	-	-	-	9/13	-	-	-	-	P	-
NASHVILLE	-	-	8/19-9/26	9/25	-	-	-9/12	9/22	P	SEP-
PARULA, NORTHERN	9/22	-	-9/19	-9/23	-	-	P	-9/19	P	P
WARBLER, YELLOW	-8/29	-	-9/26L	-8/23	-	-	P	-7/3(14)-8/6	P	P
CHESTNUT-SIDED	-9/24	-	-9/17	-9/3	-	-	-9/6(4)	-9/22	P	P
MAGNOLIA	A	-	A	-8/2(5)-9/3	-	-	-9/6	-9/22	P	9/8-
CAPE MAY	9/22	-	8/20-9/26	9/25	-	-	-	-	P	-
BLACK-THROATED BLUE	-9/27	9/25	-9/26	-	-	-	-9/26	-	A	9/2-
YELLOW-RUMPED	-	-	A	-	-	-	A	9/18-30	P	SEP-
BLACK-THROATED GREEN	-9/26	9/26	-9/26	-9/26	-	-9/27	A	7/1	A	A
BLACKBURNIAN	-9/23	-	-9/11	-7/5(3)-8/22	-	-	-9/6	-	P	-9/22
PINE	-9/22	9/26	-9/26	-7/19	-	-	-	9/19	P	P
PRAIRIE	-7/19	A	-AUG	-	A	-	-9/12	-	P	P
PALM	-	-	-	-	-	-	9/6(6)	9/18-19	P	SEP-
BAY-BREASTED	-	-	8/31-9/11	-	-	-	-	-	P	-
BLACKPOLL	9/23-29	-	9/11-26	9/25	-	-	9/28	9/29	P	-
CERULEAN	-	-	-	-	-	-	-	-7/15(3)	P	-
BLACK-AND-WHITE	-9/2	A	A	-7/12(3)-8/22	-	-7/11	-	-7/18	P	-8/31
REDSTART, AMERICAN	-9/24	A	A	-7/19	-	-	-9/12	-9/19	P	-9/8
WARBLER, WORM-EATING	-	A	-8/31	-	-	-	-9/6	-	-	P
OVENBIRD	-8/10	A	-9/26	-9/6	-	-	A	-9/27	P	-9/11
WATERTHRUSH, NORTHERN	-	-	-8/7	-	-	-	-	-7/17	P	P
LOUISIANA	-9/23	-	P	-	-	-	-	-	P	P
WARBLER, KENTUCKY	-	-	-	-	-	-	-	-	P	P
CONNECTICUT	-	9/14	9/14-23	-	-	-	-	-	-	-
MOURNING	-	-	9/13-30	-	-	-	-	-9/19	-	-
YELLOWTHROAT, COMMON	-9/29	A	A	-9/15	-	-8/5	-9/19	A-7/17(10)	A	A
WARBLER, HOODED	-9/26	-	-9/26	-9/3	-	-	-	-9/27	P	-8/29
WILSON'S	9/23	-	8/27-9/21	9/25	9/21	-	-	-	-	9/12
CANADA	-7/14(6)-9/19	-	-SEP	-	-	-	-	-7/24	P	-
CHAT, YELLOW-BREASTED	-	-	-	-	-	-	-JUL	-	P	P
TANAGER, SCARLET	-9/24	-	-9/19	-7/5(6)-9/3	-	-	-9/12	-9/14	P	-9/24
TOWHEE, EASTERN	A	A	A	-9/26	-9/27	-9/19	A	-9/29	A	A
SPARROW, CHIPPING	A	A	P	A	A	-9/9	P	-	A	A
FIELD	A	A	P	A	A	-	A	-	A	A
VESPER	A-7/12(12)	-	-9/21	P	A	-9/28	-	-7/24	A	P
SAVANNAH	-8/25	-	-	P	P	-	-	-8/14(8)-9/27	A	P
GRASSHOPPER	-8/25	-	-	P	P	-	-	-	A	P
HENSLOW'S	-8/25	-	-	-7/11(3)	P	-	-	-	-	-

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	CAMBRIA	CARBON	CENTRE	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
LINCOLN'S SWAMP	-	-	9/4-24(11)-26	9/25	-	-	-	9/26	9/5	-
WHITE-THROATED	A	-	A	-	-	-	-	-	A	P
JUNCO, DARK-EYED	9/27→	-	9/19→	9/25→	-	A	9/27→	9/21	9/30→	9/25→
GROSBEEK, ROSE-BREADED	A	-	A	R	A	R	R	-	9/30(7)→	-
BLUE	-	8/12	-	-	-	-	-	-	A	-
BUNTING, INDIGO	-	-	-	A	-	-	P	-	P	-
BOBOLINK	-	-	-	-	-	-	-	-	A	-
BLACKBIRD, RED-WINGED	A	-	A	A	-	-	-	-	A	P
MEADOWLARK, EASTERN	A	A	-	A	-	-	A	A-9/19(1010)	A	A
GRACKLE, COMMON	A	A	-	A	-	-	A	-	A	A
COWBIRD, BROWN-HEADED	A	-	A	A	-	-	A	A	A	A
ORIOLE, ORCHARD	-	-	-	-	-	-	-	-	-	-
BALTIMORE	-	A	-	-	-	-	-	-	-	P
FINCH, PURPLE	R	-	A	-	A	-	R	-	-	9/8→

	DELAWARE	ERIE	FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LACKAWANNA
LOON, COMMON	9/26	-	-	-	-	-	-	9/30→	-	-	-
GREBE, PIED-BILLED	8/29→	A	-	-	9/10(5)→	-	9/18	9/19	9/7-29(64)→	A	-
CORMORANT, DOUBLE-CRESTED	A-9/4(17)	A	-	-	9/23	8/25	-	8/23→	-	A	-
HERON, GREAT BLUE	R	A	R	A	A-9/8(3)	A	A	R	A-8/31(4)	A	A
EGRET, GREAT	A-7/17(7)	7/31→	-	-	-	-	-	7/27-8/6	-	A	-
HERON, LITTLE BLUE	-	8/16	-	-	-	-	-	-	-	-	-
HERON, GREEN	A	-	-	P	A	-	P	-	-	A	-
NIGHT-HERON, BLACK-CROWNED	A	8/10	-	-	-	-	-	-	-	-	-
VULTURE, BLACK	R	-	-	-	A	9/4-25	-	R	-	A	-
TURKEY	R	A	A	A	R	A-9/20(7)	A	R	A-9/21(15)	A	A
GOOSE, CANADA	R	R	R	R-7/13(80)	R	R-9/24(113)	R	R	R-9/11(117)	R	R
SWAN, MUTE	-	-	-	-	-	-	-	-	R	A	-
DUCK, WOOD	A	A	R	-	R	A-9/4(5)	A	A	A-9/7(52)	A	-
GADWALL	9/30	SEP→	-	-	-	-	-	-	9/24→	-	-
WIGEON, AMERICAN	9/30(4)	AUG→	-	-	-	-	-	-	9/7→	-	-
DUCK, AMERICAN BLACK	R	SEP→	R	-	-	-	-	-	8/8→	A	-
MALLARD	R	A	R	A	R	R-9/3(8)	R	R	R-9/7(21)	A	R
TEAL, BLUE-WINGED	-	JUL→	-	-	-	-	-	-	7/13-8/21(28)→	-	-
SHOVELER, NORTHERN	-	AUG→	-	-	-	-	-	-	-	-	-
PINTAIL, NORTHERN	7/2→	7/29-9/7(154H)→	-	-	-	-	-	-	9/29(4)→	-	-
TEAL, GREEN-WINGED	7/2→	JUL→	-	-	A	-	-	-	8/2-9/7(16)→	P	-
MERGANSER, HOODED	-	P	-	-	-	-	-	-	-	-	-
COMMON	-	P	-	P	-	-	-	-	-	-	-
DUCK, RUDDY	7/2-9/30(12)→	SEP→	-	-	-	-	-	-	-	-	-
OSPREY	8/8-9/20(20)→	P	-	-	P	9/2-13(19)→	-	8/31-9/30(14)→	8/27-9/21	P	-
EAGLE, BALD	8/18-9/17(9)→	P	-	P	9/19(7)	9/4-19(7)-25	-	R	7/22-8/31	-	-
HARRIER, NORTHERN	8/18-9/19(8)→	P	-	P	P	9/4-19(14)→	-	9/17-22(8)→	9/26	P	-
HAWK, SHARP-SHINNED	7/14-9/30(60)→	P	R	A	R	R-9/24(52)	P	R-9/30(96)	A	R	-
COOPER'S	R-9/30(10)	A	R	A	A	R-9/30(10)	R	R-9/30(16)	A	R	-
GOSHAWK, NORTHERN	-	-	R	P	-	-	-	R	-	-	-
HAWK, RED-SHOULDERED	8/29-9/17(4)→	P	R	A	9/7(3)	9/4→	P	R	A	A	-
BROAD-WINGED	A-9/17(2403)	P	→7/14	P	9/19(559)	A-9/19(559)	P	A-9/19(652)	→9/21(10)	8/19(46)	-
RED-TAILED	R	R	R	R	R	R-9/26(11)	R	R-9/19(17)	R	R	R
KESTREL, AMERICAN	R-9/26(35)	R	R	R	R	R-9/10(8)	R	R-9/17(43)	R	R	R
MERLIN	9/4-26(5)→	7/31E→	-	-	-	-	-	9/10→	-	9/20	-
FALCON, PEREGRINE	R	9/18→	-	-	9/9	9/9-24	-	9/21-25(5)→	-	-	-
BOBWHITE, NORTHERN	R	-	-	-	R	-	-	-	-	-	-
RAIL, VIRGINIA	-	P	-	-	-	-	-	-	8/10	-	-
SORA	-	P	-	-	-	-	-	-	-	9/12	-

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	DELAWARE	ERIE	FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LACKAWANNA
COOT, AMERICAN	-	SEP→	-	-	-	-	-	-	9/7-29(34)→	-	-
PLOVER, BLACK-BELLIED	-	JUL→	-	-	-	-	-	-	9/7	-	-
AMERICAN GOLDEN	9/17(5)	9/2→	-	-	-	-	-	-	-	-	-
SEMPALMATED	8/2-14	JUL→	-	-	-	-	-	-	7/22-9/21	-	-
KILLDEER	R-8/15(36)	A	→7/6	A	A-9/25(33)	A-9/3(7)	A	R	A-8/31(60)	A-8/31(15)	A
YELLOWLEGS, GREATER	7/2-8/2(4)→	JUL→	-	-	9/16	-	-	-	8/10→	-	-
LESSER	7/2-8/2(10)→	JUL→	-	-	8/20-9/13	-	-	-	7/22-8/9(4)-9/29	-	-
SANDPIPER, SOLITARY	7/12-16(13)-8/15	P	-	-	8/20(4)-9/8	-	-	9/5	8/3-9/17	P	-
SPOTTED	A	→SEP	-	-	A	P	-	A	A	P	-
SANDERLING	-	JUL→	-	-	9/13→	-	-	-	8/31	-	-
SANDPIPER, SEMIPALMATED	7/11-8/2(27/5)-29	JUL→	-	-	9/25	-	-	-	8/10-31(5)-9/29	-	-
WESTERN	8/2-29	9/21	-	-	-	-	-	-	8/8	-	-
LEAST	7/11-8/2(68)-29	JUL-SEP	-	-	-	-	-	-	7/22-8/9(23)-9/29	8/8(6)	-
WHITE-RUMPED	-	9/6-30	-	-	-	-	-	-	9/4	-	-
BAIRD'S	-	8/21-9/6(5)-21	-	-	-	-	-	-	8/9	-	-
PECTORAL	8/2-15(5)-29	7/11-SEP	-	-	-	-	-	-	8/24→	-	-
SANDPIPER, STILT	7/16-17	-	-	-	-	-	-	-	-	-	-
DOWITCHER, SHORT-BILLED	-	JUL-SEP(60)	-	-	-	-	-	-	8/29	-	-
SNIPE, COMMON	-	P	-	-	A	-	-	-	8/9→	-	-
WOODCOCK, AMERICAN	A	A	-	-	A	A	-	A	A	A	-
GULL, BONAPARTES	A	A	-	-	-	-	-	-	9/24	-	-
RING-BILLED	A	A	-	-	P	-	-	-	8/3→	A	-
HERRING	A	A	-	-	-	-	-	-	-	P	-
TERN, CASPIAN	8/29(8)-9/17	JUL→	-	-	P	-	-	-	9/4→	-	-
FORSTER'S	7/2-8/2(171)→	JUL-SEP	-	-	-	-	-	-	9/27	-	-
BLACK	9/16	-	-	-	-	-	-	-	-	-	-
CUCKOO, BLACK-BILLED	P	P	→7/14	P	P	→9/8	P	-	8/29	A	-
YELLOW-BILLED	-	P	-	-	A	→8/25	P	→9/18	→9/11	A	→8/15
OWL, BARN	-	-	-	-	R	-	-	-	-	R-8/24(6)	-
BARRED	-	R	-	-	-	-	-	-	-	R	R
NIGHTHAWK, COMMON	A-8/28(19)	→SEP	-	-	9/9	9/3(4)	8/22(3)	-	→9/7(9)	9/5(15)	-
WHIP-POOR-WILL	-	-	-	-	9/20	→7/17	-	→9/12	-	-	-
SWIFT, CHIMNEY	A-9/27(300)	A	-	-	A-9/21(100+)	→9/24(10)	A	A	A-9/12(70)	→8/22(150+)	→9/29(4)
HUMMINGBIRD, RUBY-THROATED	A-8/29(6)	→SEP	-	-	A-8/28(31)	→9/14	P	→9/11	A-7/30(12)	→8/20	-
WOODPECKER, RED-HEADED	9/9-10	-	-	-	R	-	-	R	-	A	-
SAPSUCKER, YELLOW-BELLIED	-	A	-	-	7/21	-	-	-	-	P	-
FLICKER, NORTHERN	R	A	R	A-9/8(5)	R	R	9/28→	-	A	-	-
FLYCATCHER, OLIVE-SIDED	-	8/28-9/9	-	-	-	-	-	-	-	R	-
WOOD-PEWEE, EASTERN	-	→SEP	-	-	A	→7/16	P	→9/4	→8/5	-	-
FLYCATCHER, YELLOW-BELLIED	8/26	P	7/6	-	-	→7/17	P	→7/25	→8/5	A	-
ACADIAN	-	P	-	-	8/16-9/15	-	-	-	-	-	-
ALDER	-	P	-	-	-	-	-	-	-	-	-
WILLOW	P	P	-	-	-	-	-	-	→8/5	P	→7/16
LEAST	-	A	-	-	P	-	-	-	-	A	→7/4
PHOEBE, EASTERN	A	A	-	-	A	A-9/4(3)	A	A	A-9/21(6)	A	→9/26
FLYCATCHER, GREAT CRESTED	→9/18	→SEP	-	-	A	→8/25	P	→9/18	-	A	-
KINGBIRD, EASTERN	→8/26(4)	→SEP	-	-	A	→8/25	→8/23(3)	→8/22	→8/24(4)	A	→8/21
VIREO, WHITE-EYED	A	-	-	-	A	-	-	-	→9/29	P	-
BLUE-HEADED	9/13→	A	-	-	A	9/14→	-	A	A	A	-
YELLOW-THROATED	→9/4	9/13	-	-	-	→9/14	P	→9/13	→9/13	P	-
WARBLING	→7/2(4)-8/29	→SEP	7/6	-	-	-	→9/1	→7/2	8/24	P	-
PHILADELPHIA	9/23	P	-	-	-	-	-	-	8/31-9/27	-	-
RED-EYED	A-9/23(8)	A	7/6	→9/27	A	→7/17	P	A	→8/24(8)-9/23	A	-
CROW, FISH	R	-	-	-	R	-	-	-	-	P	-
RAVEN, COMMON	-	-	R	R	R	R	R-7/4(7)	R	-	R	-
LARK, HORNED	-	A	R	R	R-9/24(13)	R	-	-	-	R	-
MARTIN, PURPLE	→8/26(4)	→AUG(100,000)-SEP	-	-	A	-	→8/13	-	→8/9	→8/20	-

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	DELAWARE	ERIE	FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LACKAWANNA
SWALLOW, TREE	A-9/30(300)	A	-	P	A-9/24(202)	A-9/20(4)	P	A	A-7/13(6)	A	-7/16
NORTHERN ROUGH-WINGED	P	-SEP	-	P	A	-	P	A	-8/5	A	-7/16
BANK	-8/19(30)-26	-SEP	-	P	P	-	-	P	-9/17	P	-
CLIFF	-7/17(6)-8/1	-AUG	7/6(14)	P	8/27-9/2(31)-21	-	-	P	-8/24	P	-
BARN	-8/14(25)	-SEP	R	P	-9/24(11)	-9/24	-8/27(27)	P	-8/24(17)-9/28	A	-8/22(15)
CHICKADEE, CAROLINA	R	-	R	-	R	-	R	-	-	-	-
BLACK-CAPPED	-	R	R	R	R	R	-	R	R	R	R
NUTHATCH, RED-BREASTED	8/31-9/12(6)-	SEP-	-	R	9/1-	-	8/29-	R	A-9/27(6)	9/5	-
CREEPER, BROWN	-	A	-	R	-	R	-	R	A	R	-
WREN, HOUSE	A	-SEP	7/6	P	-9/28	-9/20	P	-8/4	-9/30	-9/18	-8/29
WINTER	-	SEP-	-	-	-	-	-	R	9/27-	9/18	-
MARSH	A	-SEP	-	-	-	-	-	9/27	8/3	-	-
KINGLET, GOLDEN-CROWNED	9/27-	SEP-	-	A-7/13(8)	9/18-	-	-	-	A	P	-
RUBY-CROWNED	9/23-	SEP-	-	9/27-	-	9/24-	-	9/18-	9/18-	9/18	-
GNATCATCHER, BLUE-GRAY	-8/28	-	-	P	-9/15	P	P	-8/8	-9/17	-9/18	-
VEERY	-9/13	P	-	P	A	-	-	P	-9/4	-	-
THRUSH, GRAY-CHEEKED	-	P	-	-	-	-	-	9/20	7/4	-	-
SWAINSONS	9/25	SEP-	-	-	-	-	-	-	9/4-	P	-
HERMIT	-	-	-	-	-	-	-	-	-	-	-
WOOD	-9/20	-SEP	-	P	P	-	P	R	-9/26	A	-
ROBIN, AMERICAN	R	A	-	A	A	-9/11	P	-8/9	R-9/4(71)	A	A
CATBIRD, GRAY	A	A	-	A	A	A-7/10(14)	P	A	A-9/28(10)	A	-9/26
THRASHER, BROWN	R	A	-	P	-9/30	-9/11	-9/18	-9/11	-9/21	P	-
PIPET, AMERICAN	-	SEP-	-	-	9/24	-	-	-	-	-	-
WARBLER, BLUE-WINGED	-9/4	-	-	P	9/27	-	-	P	-9/7	P	-
GOLDEN-WINGED	9/7	-	-	-	-	-	-	-9/5	-	P	-
TENNESSEE	9/25	P	-	-	-	-	-	-	9/24-	-	-
NASHVILLE	9/12-	P	-	-	-	-	-	-	9/6-29	P	-
PARULA, NORTHERN	A-9/25(4)	-	-	P	-	-9/24	-	-	-	P	-
WARBLER, YELLOW	-7/17(11)-8/5	-SEP	7/6	P	A	-7/17	-	-	-8/3(4)-5	A	-
CHESTNUT-SIDED	-9/25	P	-	7/13	-	-	-	A	-9/23	P	-
MAGNOLIA	9/13-25(7)-	AUG-SEP	-	-	9/21-30	-	-	9/5-27	8/24-9/11(5)-	P	-
CAPE MAY	-	SEP	-	P	-	-	-	9/12-	8/24-9/24(17)-	-	-
BLACK-THROATED BLUE	8/26-	SEP-	-	A	9/21-26	-	-	A	9/6-29	A	-
YELLOW-RUMPED	9/26-	SEP-	-	-	-	9/24-	9/27-	A	9/24-29(38)-	A	-
BLACK-THROATED GREEN	8/26-9/18(8)-	-SEP	-	-	9/19	A	-	A	A-9/24(9)	A	-
BLACKBURNIAN	-	P	-	-	9/26	-	-	-8/12	-9/11	-	-
YELLOW-THROATED	-	SEP-	-	-	9/26	-9/24	-	P	-9/4	-	-
PINE	-	-	-	-	-	-	-	-	A-9/14(6)	P	-
PRAIRIE	-9/26	-	7/14	-	-	-	P	-9/4	-9/14	-	-
PALM	9/30(10)-	SEP-	-	-	-	-	-	9/12	P	P	-
BAY-BREASTED	-	AUG-SEP	-	-	-	9/24-	-	8/31-	9/4-29	-	-
BLACKPOLL	9/18-	AUG-SEP	-	-	-	-	-	9/18-27	9/8-29(4)-	-	-
CERULEAN	-	-	-	-	A	-	P	-8/26	-	P	-
BLACK-AND-WHITE	-9/13(4)-26	P	-	P	-	-9/14	-	P	-8/24	A	-
REDSTART, AMERICAN	A-9/4(5)	-SEP	-	P	A	-9/14	P	-9/19	-9/28	A	-7/4
WARBLER, WORM-EATING	-9/6	-	-	-	-	P	-	P	-9/28	P	-
OVENBIRD	-8/29	P	-	P	-9/30	P	-	-	-9/29	P	-
WATERTHRUSH, NORTHERN	-	P	-	-	A	-	-	-	9/23-27	-	-
LOUISIANA	P	P	-	-	-	P	P	P	-9/8	P	-
WARBLER, KENTUCKY	P	-	-	-	-	-	-	-	-	P	-
MOURNING	-	P	-	P	-	-	-	-	-	-	-
YELLOWTHROAT, COMMON	A	A	7/6	7/28(4)	A	-	P	A	A-7/8(7)	A	-9/19
WARBLER, HOODED	P	P	7/6	P	A	A-9/20(4)	P	-9/27	-9/27	P	-
WILSON'S	-	SEP	-	-	-	-	-	-	9/11	-	-
CANADA	8/28	P	-	-	-	-	-	-8/12	-	P	-
CHAT, YELLOW-BREASTED	P	7/3-11	-	-	-	P	P	-	-7/15	P	-

SEASONAL OCCURRENCE TABLES - JULY THROUGH SEPTEMBER 1999

	DELAWARE	ERIE	FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LACKAWANNA
TANAGER, SCARLET	-9/25	-SEP	7/6-14	P	-9/17	-7/17	P	-9/12	-9/18(6)-29	A	-
TOWHEE, EASTERN	R	A	7/6	A	A	A	A	A	A-9/28(10)	A	-7/18
SPARROW, CHIPPING	A	A	-	A-9/14(30)	-	A	A	A	A-8/12(60)	A	-9/7(8)
FIELD	R	A	7/6	P	-9/30	R	A	R	A	A	-8/15
VESPER	-	A	-	-	8/1	P	-	P	-	A	-9/19
SAVANNAH	9/9	A	-	P	A	-	P	P	-	A	-9/19
GRASSHOPPER	-	-	7/6	-	A	-7/17	P	-7/28	-	P	-
HENSLOW'S	-	-	-	-	-	-	-	-	8/12	-	-
LINCOLN'S	R	A	-	P	-	-	-	-	-	P	-
SWAMP	R	A	-	P	-	-	-	-	A-8/24(5)	A	-9/26
WHITE-THROATED	9/26	SEP	-	7/27	9/27	-	-	9/27	9/23-28(7)	-	-
JUNCO, DARK-EYED	9/23	A	-	A	9/30	-	-	R	9/29	-	-
GROSBEAK, ROSE-BREADED	8/26-9/25(6)	-SEP	7/14	P	-9/26	P	-9/18(11)	-9/17	-9/29	P	-8/29
BLUE	P	-	-	-	-	-	-	-	-	-	-
BUNTING, INDIGO	-8/19(5)-9/26	P	7/6	7/24(5)	-9/15	-9/4	P	P	-8/5(6)-9/23	A	-8/15
BOBOLINK	-8/29(5)-9/23	-SEP	-	P	-	9/4(17)	P	-	-8/31	P	-9/7
BLACKBIRD, RED-WINGED	R	A	-	7/13(12)	P	A	A	A	A-9/27(300)	A	-
MEADOWLARK, EASTERN	-	A	7/6	P	A	R	A	P	A	-	-
BLACKBIRD, RUSTY	-	P	-	-	A	-	-	-	-	P	-
GRACKLE, COMMON	R	A	-	8/19(54)	A	A	A	A	A-8/25(600)	A	A
COWBIRD, BROWN-HEADED	R	A	-	P	P	A	A	A	A	A	A
ORIOLE, ORCHARD	P	-	-	-	-	P	P	P	-	P	-
BALTIMORE	-9/12	-SEP	-	P	9/21(4)	P	P	-8/22	-9/23	P	-8/15
FINCH, PURPLE	9/8	P	R	R	-	-	-	9/14	A-9/28(16)	-	-

	LAWRENCE	LEBANON	LUZERNE	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	PIKE
GREBE, PIED-BILLED	-8/14	8/15E	-	-	-	8/30	-	9/24	SEP	9/3
CORMORANT, DOUBLE-CRESTED	8/18	A	A	-9/19(15+)	-	A	7/25-9/5	A	A	-
HERON, GREAT BLUE	R	R-7/25(14)	R	R-9/23(40)	A-9/8(12)	A-7/20(10)	R	A	R	R
EGRET, GREAT	-	A-8/6(23H)	-	8/3-15	A-9/8(6)	8/22-9/20	7/22-8/7	A	A	8/24(6)
HERON, LITTLE BLUE	-	8/15-20	-	-	-	-	-	-	-	-
HERON, GREEN	-8/5(10)-9/2	A	-9/5	-8/26	A	A-8/28(6)	P	A	-9/26	A
NIGHT-HERON, BLACK-CROWNED	-	A	A	-	-	-	-	-	P	-
VULTURE, BLACK	-	R	-8/27	-	A-9/8(8)	R	-	A	A	P
TURKEY	A	R	A	A-9/25(10)	A-8/4(18)	R	A	A	R	A
GOOSE, SNOW	-	A	-	-	-	-	-	-	-	-
CANADA	R	R	R	R	R-9/8(62)	R	R-8/7(235)	R	R	R
SWAN, MUTE	-	P	A	8/14(3)-9/18	-	-	-	-	-	R
DUCK, WOOD	-8/5(120)-9/4	A-7/18(16)	R	A	R-9/26(12)	A-8/30(47)	-9/8	A	R-SEP(200+)	A
GADWALL	-	-	R	-	-	9/23	-	-	-	-
DUCK, AMERICAN BLACK	9/7	R	R	9/6(8)	R-7/21(6)	9/20(5)	A	A	R	-
MALLARD	R	R	R	R	R	R	R	R	R	R
TEAL, BLUE-WINGED	9/4	-	9/5	9/26	-	8/28-9/25(25)	9/17	8/30(3)	7/12-9/26	-
SHOVELER, NORTHERN	-	-	-	-	-	9/5	-	-	-	-
PINTAIL, NORTHERN	-	-	-	-	8/22	9/5	-	-	-	-
TEAL, GREEN-WINGED	9/7(7)	8/20	9/18	9/5(6)-23	-	7/26-9/22(75)	-	-	-	-
MERGANSER, COMMON	-	-	R	-	-	-	-	-	-	-
DUCK, RUDDY	-	-	-	-	-	-	-	-	-	P
OSPREY	9/24	A	A	A	SEP(50)	A-9/28(6)	-	A	8/4	A
EAGLE, BALD	-	A	A-9/17(22)	A	SEP(18)	7/14	8/25-9/19	A	-	R-9/28(8)
HARRIER, NORTHERN	R	P	A-9/18(8)	8/20-9/19	SEP(35)	8/12	-	A	-	P
HAWK, SHARP-SHINNED	R	R	R	R	SEP(149)	R	A	R	9/8	R
COOPER'S	R	R	R	R	SEP(19)	R	A	R	9/8	R

SEASONAL OCCURRENCE TABLES - JULY THROUGH SEPTEMBER 1999

	LAWRENCE	LEBANON	LUZERNE	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	PIKE
GOSHAWK, NORTHERN	-	R	R	-	-	-	-	-	-	R
HAWK, RED-SHOULDERED	R	R	R	R	SEP(2406)	-	-	-	8/9	R
BROAD-WINGED	P	A	A-9/17(656)	-9/5	SEP(37)	A-9/22(300)	P	A	-9/18(100+)	A
RED-TAILED	R	R	R	R	R-SEP(84)	R	R	R	R	R
KESTREL, AMERICAN	R	R	R	R	R-SEP(84)	R	R	R	R	R
MERLIN	-	P	9/17	9/13	SEP(3)	9/5-23	-	-	-	-
FALCON, PEREGRINE	-	P	R	-	SEP(4)	-	-	-	R	-
BOBWHITE, NORTHERN	-	R	-	-	-	-	-	-	-	-
RAIL, VIRGINIA	-8/5	-	-	-	-	-	-	-	-	-
SORA	-	-	-	8/4→	-	-	-	-	-	-
COOT, AMERICAN	-	-	-	9/4→	-	7/11	-	-	-	-
POLOV, BLACK-BELLIED	-	-	-	8/7-9/23(10)-25	-	8/11	-	-	-	8/20
AMERICAN GOLDEN	-	-	-	8/7-9/11(6)-25	-	9/6-17	-	-	-	-
SEMPALMATED	-	8/27	-	8/3-9/5(6)-19	-	-8/22(14)-9/17	-	-	-	8/18-20
KILLDEER	A-8/27(150)	R-7/30(96)	A-9/18(85)	A-8/22(83)	A-9/4(12)	A-8/5(93+)	-9/8(4)	A	R	A
YELLOWLEGS, GREATER	9/6	8/27E	8/22→	8/28-9/19(11)-25	-	7/18-9/5	-	-	-	8/18-20
LESSER	9/2	7/18(8)-9/3	7/28→	8/3-9/25	-	-7/21(54+)-9/15	7.17-25	-	-	8/18-20
SANDPIPER, SOLITARY	-	7/30(6)	7/28→	7/7-22(8)-9/5	-	7/8-21(9)-9/14	-	-	-	8/18-20
SPOTTED	P	A	-8/22	A	-8/20	-9/7	7/17-8/21(4)	-	-9/26	A
SANDERLING	-	-	-	8/22-9/11	-	8/20-9/11	-	-	-	-
SANDPIPER, SEMIPALMATED	8/15-9/4	8/27(14)-9/3	-	8/3-22(6)-9/25	-	7/10-9/5(50)-14	7/17-25	-	8/4(500)	-
WESTERN	-	7/30	-	9/5-23	-	9/3-4	-	-	-	-
LEAST	-	7/18-8/27(13)	-	8/3-22(41)-9/25	-	7/1-8/11(200+)-9/17	-	-	8/4(1000)	8/18-24(11)
WHITE-RUMPED	-	-	-	9/5-25(6)	-	7/20-9/9(8)-11	-	-	-	-
BAIRDS	-	8/27	-	8/7-9/5	-	9/14	-	-	-	-
PECTORAL	9/2	8/27	-	8/3-9/19(36)-25	-	7/9-8/2(37)-9/15	-	-	-	8/18
SANDPIPER, STILT	8/14	-	-	9/5(7)-25	-	7/14-9/7(20)-14	-	-	-	-
DOWITCHER, SHORT-BILLED	-	-	-	8/15-22(4)-28	-	7/10-16(5)-9/1	-	-	-	8/18→
SNIPE, COMMON	-	-	9/18	9/19	-	9/6-14	-	-	-	-
WOODCOCK, AMERICAN	-	A	A	A	-	-	-	A	A-9/14(4)	P
GULL, BONAPARTES	-	-	-	8/3	-	-	-	-	-	-
RING-BILLED	9/25(247)→	A	P	A-8/7(100+)	-	7/20	-	A	A	P
HERRING	9/24	-	P	8/26-9/23	-	-	-	A	A	P
TERN, CASPIAN	-	8/15	8/15	8/11-26(6)-9/5	-	8/29(21)-9/11	-	-	9/18(40)	-
FORSTER'S	-	-	-	-	-	-	-	-	9/18(42)	-
BLACK	8/26-27	-	-	8/26(6)-9/5	-	9/7	-	-	-	-
CUCKOO, BLACK-BILLED	-7/29	-7/20	-	-9/30	-8/8(3)	-9/27	-	P	-8/14	-
YELLOW-BILLED	-9/19	A	P	-8/30	-9/8	-9/25	-	A	-	-8/4
OWL, BARN	R	A(4)	-	-	R-9/16(5)	-	-	R	R	-
BARRED	R	R	R	R	R	-	-	R	-	R
NORTHERN SAW-WHET	-	-	R	-	-	-	-	-	-	-
NIGHTHAWK, COMMON	-8/28(117)-9/23	A-8/22(211H)	A-8/23(347)	-8/30(15)-9/11	AUG(531)	-8/25(12)-28	-	-8/29(62)	-SEP(150)	P
WHIP-POOR-WILL	-	-	-	-	-9/29	-	-	P	-	-
SWIFT, CHIMNEY	A-9/24(183)	A-9/15(1500)	A	A-8/9(150)	A-9/21(150+)	A-9/23(1000+)	P	A	-9/6(300)	A
HUMMINGBIRD, RUBY-THROATED	-9/27	A	A	A	A-9/18(16)	-9/28	P	-9/7	-	A
WOODPECKER, RED-HEADED	A	R	-	A	AUG	-	-	-	-	-
SAPSUCKER, YELLOW-BELLIED	9/28	7/11	A	9/29	-	-	-	-	-	R
FLICKER, NORTHERN	R	R-9/26(250H)	R	R	R	R	R	A	R	R
FLYCATCHER, OLIVE-SIDED	-	-	-	9/5	-	-	-	8/23	-	-
WOOD-PEWEE, EASTERN	-9/3	A	-9/18	-9/28	-9/8(5)	-9/26	P	9/10	8/19	A
FLYCATCHER, YELLOW-BELLIED	-	-	-	8/25-9/6	-	9/21	-	-	-	-
ACADIAN	-7/12(19)	-9/12	-	-SEP	-	-7/24	-	P	-7/11(26)	-
ALDER	P	-	-8/23	-9/6	-	-	-	-	-	-
WILLOW	P	-	-	-8/19	-	-7/12	-	P	-9/14	-
LEAST	P	-9/12	-9/18	-9/6	-	9/13	-	P	9/26	-
PHOEBE EASTERN	A	A	A	A	A-9/6(4)	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	-7/12	-	-8/17	-9/8	-9/6	P	P	P	-	-8/9

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	LAWRENCE	LEBANON	LUZERNE	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	PIKE
KINGBIRD, EASTERN	-8/26(16)	-8/20(6)	-8/27	-8/21	-8/15	-8/25	-8/1	A	A-8/22(10)	-
VIREO, WHITE-EYED	-9/28	-9/19	-	-9/3	-9/8	-9/26	-	P	A	-
BLUE-HEADED	9/3-28	A	-9/18	-9/28	A-9/8(5)	-	-	A	-	-
YELLOW-THROATED	-9/5	-	-9/18	-9/18	-	-9/9	-	P	-9/23	-
WARBLING	P	-9/12	-9/18	-SEP	-	-8/25	-	P	A	-
PHILADELPHIA	9/3-14	9/12	9/17-18(5H)	8/21-9/15(5)-27	-	9/12	-	P	-	-
RED-EYED	-9/28	-9/19(6)	-9/19	-9/21	-9/8(5)	-9/19	P	A	A	-9/24
CROW, FISH	-	R	R	-	-9/8	A	A	R	R	P
RAVEN, COMMON	-	A	R	-	R-9/25(4)	-	-	R	-	R
LARK, HORNED	R-7/28(9)	R	R	-8/27	A-7/2(6)	-	-	A	-	-
MARTIN, PURPLE	-7/29(6)	-7/18	-	-9/3	-7/26(100+)-8/8	-	-7/17(8)	-9/7	-	-
SWALLOW, TREE	P	A	A-9/18(1297)	A-8/21(100+)	A-8/5942)	A	-9/11(60)	-	A	-9/28
NORTHERN ROUGH-WINGED	-9/18(19)	P	-9/18	-8/29(12)	A-8/5(6)	-8/1	-	A	A	-
BANK	P	P	-	-8/21(100+)-9/6	-	-9/22	-	A	P	-
CLIFF	P	P	-7/11	-8/21(100+)-30	-	-	-	P	A	-
BARN	-7/28(200)	-9/26	-9/18	-8/21(100+)-9/15	A-9/18(50+)	-9/25	P	A	-	-9/28
CHICKADEE, CAROLINA	-	R	-	-	-	R	-	R	R	-
BLACK-CAPPED	R	R	R	R	R	R	R	R	R	R
NUTHATCH, RED-BREASTED	9/5-→	9/12-→	R	8/18-→	7/6	7/29-→	-	A	7/11	R-9/15(7)
CREEPER, BROWN	-	R	R	9/25-→	A	-	-	A	-	R
WREN, HOUSE	A	A	A	A	A	-9/27	P	A	A	P
WINTER	9/17-→	-	R	9/2-→	9/1	-	7/12	-	9/21-→	R
MARSH	P	-	-	-9/26	-	-	-	-	A	-
KINGLET, GOLDEN-CROWNED	-	R	R	9/22-→	-	-	-	-	A	R
RUBY-CROWNED	9/19-→	9/19-→	9/18-→	9/24-→	-	9/26-→	-	9/10E-→	-	9/6-→
GNATCATCHER, BLUE-GRAY	-7/2(14)	P	-8/22	-8/20(5)-9/6	-9/15	-9/27	P	A	-	-9/10
VEERY	P	-9/19	-8/23	-SEP	-	P	-	A	P	-8/24
THRUSH, GRAY-CHEEKED	-	-	9/18(6)	9/18-27	-	-	-	9/11	-	-
SWAINSON'S	9/5-24	-	9/18(6)	9/14(200+)-29	-	-	-	P	-	9/10
HERMIT	P	R	A	-	-	-	-	A	-	9/1(3)-→
WOOD	P	A	-7/21	A	-8/6(5)-20	P	-7/16	A	A	-7/20
ROBIN, AMERICAN	R	R	R	R	A	R	A	A	R	R
CATBIRD, GRAY	P	A-9/19(30)	A	-	A	A	A	A	A	A
THRASHER, BROWN	P	A	A	A	A	-9/26	A	A	A	-
PIPT, AMERICAN	9/23(58)-24	-	-	9/15-19	-	-	-	-	-	-
WARBLER, BLUE-WINGED	-9/5	-9/12	-9/5	A	-SEP	-	-	P	-AUG	-8/8
GOLDEN-WINGED	-	9/12	-	-	-AUG	-	-	P	-	7/5-8/8
TENNESSEE	9/4-17	8/29-9/19	9/18	8/23-9/28	-	-	-	-	9/28	9/10
ORANGE-CROWNED	9/17	9/19	-	9/13	-	-	-	-	9/18	-
NASHVILLE	9/4-24	8/29-9/19(4)	-9/19	9/4-22	-	9/19	9/13	P	9/25	-
PARULA, NORTHERN	P	-9/19	-9/18	-9/9	-	-9/20	-	P	-9/11	-9/23
WARBLER, YELLOW	P	P	-8/22	-8/4	A-9/8(8)	-8/29	P	-9/11	-	P
CHESTNUT-SIDED	-9/28	-9/19(4)	-9/18	-SEP	-	-8/25	-	P	A	-7/8
MAGNOLIA	9/4-19(20)-28	-9/19(60)-26	-9/19	-9/29	-	A	-	P	8/26-9/29	-9/25
CAPE MAY	9/4-19	9/18	9/18	9/27	9/30	9/29	-	P	9/29	-
BLACK-THROATED BLUE	9/17-26	A	-9/19	8/29-9/29	9/8	9/20	-	A	8/26-9/29	-
YELLOW-RUMPED	P	9/11-→	A	9/13-→	A	9/24-25(12)-→	9/29	P	9/29-→	A
BLACK-THROATED GREEN	9/5(11)	-9/19(250H)-26	-9/19	8/29-9/30	A	8/24-9/19(30+)-20	-	A	9/29	A
BLACKBURNIAN	9/4-26	-9/11	-9/19	-9/17	8/10	9/19	-	P	8/23-9/29	-8/24
YELLOW-THROATED	P	-	-	-	-	-	-7/11	P	-	-
PINE	9/14	-	-9/19	8/20-9/19	-	-9/9	-	P	-7/11	P
PRAIRIE	9/4-26	-	-9/18	-	-JUL	-9/20	-9/1	P	P	-8/13
PALM	P	9/12-19(25)	9/18(5)	8/2-9/18	-	9/14-20	-	P	-	-
BAY-BREASTED	9/5-26	9/12-19(25)	9/18	9/13-15	-	-	-	P	9/19	P
BLACKPOLL	9/14-26(12)-28	9/26	9/19	8/21-9/18	-	9/12-19(10)-26	-	P	9/29	9/10-→
CERULEAN	-7/12	-8/28L	-7/4	-8/13	-	-	-	P	-	-
BLACK-AND-WHITE	-9/30	-9/19	-9/19	8/25-9/15	-9/6	-9/19	-	P	-9/10	-9/10

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	LAWRENCE	LEBANON	LUZERNE	MERCER	MIFELIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	PIKE
REDSTART, AMERICAN	-9/28	-9/12	-9/18	A	-AUG	-9/19	-	P	P	-9/25
WARBLER, WORM-EATING	-	-8/28	-	-	-AUG	8/31	-	P	-	-8/13
OVENBIRD	-9/24	-9/19	-8/4	A	-AUG	-8/31	-	A	-	-9/23
WATERTHRUSH, NORTHERN	-	-	-	-	-	-	-	P	8/4-9/26	P
LOUISIANA	P	-	-7/8	-	-	-	-	P	-8/4	-9/1
WARBLER, KENTUCKY	-	-	-	-7/22	-	-	-	P	-	-
CONNECTICUT	9/19	-	-	9/21	-	9/25	-	9/10-20	-	-
MOURNING	9/5	8/29	-	A	-	-	-	-	-	-
YELLOWTHROAT, COMMON	-9/26	A	A	-9/27	-9/28	A	-9/29	A	A	A
WARBLER, HOODED	P	-	-7/4	-9/27	-9/1	-	-	A	-	-
WILSON'S	-	8/28	-	9/14-15(4)-23	-	9/19	9/29	9/10	-	-
CANADA	-	-9/19	-	8/13	-	8/23-29	-	P	8/23	-
CHAT, YELLOW-BREASTED	-	-9/12	-	-	-	-9/12	-	P	-9/20	-
TANAGER, SCARLET	-9/26(12)	A	-9/18	-9/22	A	-9/22	-7/18	P	A	-9/10
TOWHEE, EASTERN	A	R	A	A	A	A	A	A	R	A
SPARROW, CHIPPING	A	A	A	A-8/30(10)	A-9/8(21)	A	A	A	A	A
FIELD	A	R	R	A-7/3(5)	A-9/8(60+)	A	A	A	A	A
VESPER	-	A	A	9/18	A-9/8(5)	-	-	-	-	-
SAVANNAH	-8/8(20)-9/23	R	A	-9/19	-	9/20→	-	A	-	-
GRASSHOPPER	-8/8	-7/25(6)	-7/26	7/3-8/14	P	-	-	A	-	-
HENSLOW'S	-8/8(8)	-	-	7/3(6)-8/14	-	-	-	-	-	-
LINCOLN'S	-	-	-	9/20	-	9/20	-	9/11	-	-
SWAMP	A	R	R	A	-	A-9/27(15±)	-9/11	A	R	R
WHITE-THROATED	9/23(5)→	9/26(10)→	R	9/18(10)→	P	9/25→	9/29→	9/29→	-	R
WHITE-CROWNED	-	-	-	9/19→	P	-	-	-	-	-
JUNCO, DARK-EYED	-	R	R	9/26→	9/17(5)→	-	-	A	-	R
GROSBEAK, ROSE-BREASTED	A	-9/19(8)	-	-9/25	-	9/14-26	P	A	-9/29	P
BLUE	-	-	-	-	-	-8/29(6)	-	-	-	-
BUNTING, INDIGO	-9/28	-9/19	-9/18	-SEP	-	-8/19	-	-	-	-
BOBOLINK	-9/16(5)	-7/25(14)	-8/16(26)-9/18	-8/22(10)-9/23	-9/18(4)	-	P	A	A	P
BLACKBIRD, RED-WINGED	A	R	R	A	-9/18(6)	-9/20(80±)-27	-	A	7/18-30(85)	-
MEADOWLARK, EASTERN	A	R	A	A	A	A	A	A	A	P
BLACKBIRD, RUSTY	-	-	-	-7/3(11)-9/19	A	A-7/14(15±)	P	A	-	-
GRACKLE, COMMON	A	R	R	9/26→	-	-	-	A	-	-
COWBIRD, BROWN-HEADED	A-8/27(300+)	R	R	A-9/23(5000)	A	A	A	A	A	-
ORIOLE, ORCHARD	-	-	-	-AUG	P	P	-	A	P	-
BALTIMORE	P	-	-8/22	-9/2	P	-8/25	-	P	A	-
FINCH, PURPLE	9/28	9/26(6)→	R	A	P	9/25→	-	-	-	R

	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
LOON, COMMON	-	-	-	-	-	-	7/24	-	-	-
GREBE, PIED-BILLED	9/18	9/16-18	-	9/20-24(6)→	-	9/18(3)-19	7/24-9/30	8/29→	9/18-28(3)→	7/3-9/23(3)→
CORMORANT, DOUBLE-CRESTED	8/9	9/18-25(11)	-	-	-	9/23	-	9/11→	P	A
HERON, GREAT BLUE	A	A	A	A	A	A	A	R-7/17(11)	A-9/18(11)	R
EGRET, GREAT	-	7/19-9/20	7/21-8/14	8/7-11	-	-	-	P	8/12-9/7(4)-10	A
HERON, LITTLE BLUE	-	-	-	-	-	-	-	-	-	8/4-9/15
HERON, GREEN	A	-9/18	A	-8/7	-	-9/19	A	A-8/8(4)	-8/10(9)-9/18	A
NIGHT-HERON, BLACK-CROWNED	-	7/29	8/19	-	-	9/3	-	P	-7/9	-8/24
VULTURE, BLACK	-	A	-	-	-	-	-	-	-	R
TURKEY	A	A	A	A-8/11(11)	A-8/23(4)	A-9/3(12+)	A	A	A-9/18(31)	R
GOOSE, SNOW	-	-	9/6-25	9/24(35)	-	-	-	-	-	-
CANADA	R	R	R-9/25(119)	R	R	R-7/22(44)	R	-	-	-
SWAN, MUTE	-	R	A	A-8/18(6)	-	-	-	R-7/17(6)	R	R
DUCK, WOOD	A	R	A	-	-8/23(4)	A-9/18(22+)	-9/21	A	A-7/9(17)	A
WIGEON, AMERICAN	-	-	-	-	-	-	-	P	9/22-28	-

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	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
DUCK, AMERICAN BLACK	P	9/1→	9/20	-	-	7/1(8)	-	P	9/18→	R
MALLARD	A	R	A	A	R	R	R	R	R	R
TEAL, BLUE-WINGED	-	-	-	-	→7/20	-	8/19	P	-	8/20(13)→
SHOVELER, NORTHERN	-	9/18	-	-	-	-	-	-	-	8/20(5)-9/23
PINTAIL, NORTHERN	-	-	-	-	-	-	-	-	-	7/3
TEAL, GREEN-WINGED	-	9/1	-	-	-	-	-	-	9/10-21(9)→	9/23(14)→
MERGANSER, HOODED	P	-	-	-	-	-	-	P	-	-
COMMON	A	-	-	A	-	R	A	-	R-7/5(28)	-
DUCK, RUDDY	-	-	-	-	-	-	-	-	-	9/26→
OSPREY	-	7/14→	A	-	-	→9/23	7/22-9/25	A	9/10-26	A
EAGLE, BALD	P	8/9→	9/6	8/7-28	-	A	→9/25	9/11	A	A
HARRIER, NORTHERN	A	R	A	-	-	7/27-9/2	→9/19	P	9/18	9/17→
HAWK, SHARP-SHINNED	R	R	R	R	R	R	R	P	R	8/6→
COOPER'S	R	R	R	R	R	R	R	P	R	R
GOSHAWK, NORTHERN	R	R	-	R	-	-	-	P	→9/28	9/14→
HAWK, RED-SHOULDERED	-	R	-	A	-	→9/23	→9/25	P	→9/18	R
BROAD-WINGED	A	A	-	A	-	-	→9/19	A	→9/18	A
RED-TAILED	R	R	R	R	R	R	R	R	R	R
KESTREL, AMERICAN	R	R	R	R	R	R	A	R	R-9/18(8)	R
MERLIN	-	8/24→	9/22	-	-	-	9/2-10	-	9/18	7/1→
FALCON, PEREGRINE	-	8/16→	-	-	-	-	-	-	-	7/17→
BOBWHITE, NORTHERN	-	R	-	-	-	-	-	-	-	R
RAIL, VIRGINIA	7/4	-	-	-	-	→9/3	-	-	→9/23	-
SORA	-	-	-	-	-	-	-	9/2	-	-
COOT, AMERICAN	-	-	-	-	-	-	-	P	-	-
POLOVER, BLACK-BELLIED	-	-	8/25	-	-	-	-	-	-	8/13-9/25
AMERICAN GOLDEN	-	-	9/3	-	-	-	-	-	-	-
SEMPALMATED	-	-	9/4	-	-	-	8/26(5)-9/2	9/21	8/17-9/18	8/6-9/20
KILLDEER	A	A	A-8/27(51)	A	A	A	A	A-7/31(61)	A-8/18(41)	A
YELLOWLEGS, GREATER	8/21	9/1-10	P	-	-	-	8/8-13(4)-9/30	8/29→	7/18-9/10	7/25→
LESSER	-	9/1-10	P	-	-	-	7/17-9/23	7/12-9/21(6)→	7/18-23(6)-9/18	7/19→
SANDPIPER, SOLITARY	9/18	7/23-9/10	P	8/18	8/2	-	7/8-8/24(6)-9/22	7/2→	7/20-30(9)-9/18	7/11-9/19
SPOTTED	→9/18	→9/1	P	→9/24	→8/12	→8/4	→7/17(5)-9/2	P	→9/22	→9/22
SANDERLING	-	-	8/30-9/17	-	-	-	-	-	-	8/31-9/17
SANDPIPER, SEMIPALMATED	-	7/24-9/10	P	-	-	-	8/22	7/17→	7/21-8/17	7/11→
WESTERN	-	-	8/21-27	-	-	-	-	-	-	8/6-9/2
LEAST	-	7/24-8/11	8/25(4)	-	-	-	7/8(12)-9/10	7/17-8/14(8)-22	7/20-8/18(22)-9/10	7/17→
WHITE-RUMPED	-	-	-	-	-	-	-	-	-	9/1-7
BAIRD'S	-	-	-	-	-	-	-	-	-	8/31-9/15
PECTORAL	-	-	9/30(24)	-	-	-	8/7-9/30	7/31-8/26	7/30-9/10	7/31→
SANDPIPER, STILT	-	-	-	-	-	-	-	-	8/18	9/5-29
DOWITCHER, SHORT-BILLED	-	-	-	-	-	-	8/22-26	8/26	9/8	8/10-9/8(sp)
SNIPE, COMMON	-	7/30-8/14	-	-	-	-	9/17-28	9/29→	9/18	9/26→
WOODCOCK, AMERICAN	A	P	-	-	-	A	→7/11	A	-	R
GULL, BONAPARTES	-	-	-	-	-	-	-	-	-	9/1
RING-BILLED	-	P	-	-	-	A	-	8/22→	7/29-30	A
HERRING	-	P	-	-	-	7/10	-	-	-	A
TERN, CASPIAN	-	-	8/20	-	-	-	-	-	-	8/20-9/12
FORSTER'S	-	-	7/9	-	-	-	-	9/14	-	-
BLACK	-	-	8/23-25(10)	-	-	-	-	8/25(19)	-	-
CUCKOO, BLACK-BILLED	-	7/1	-	→8/1	-	→8/14	→8/27	A	-	→9/12
YELLOW-BILLED	-	→8/21	-	-	-	→8/1	→9/18	-	→9/18	→9/13
OWL, BARN	-	R	-	-	-	-	-	-	-	R
BARRED	-	R	-	-	-	-	-	-	-	R
NORTHERN SAW-WHET	A	R	R	R	R	R	R	R	R	R
NIGHTHAWK, COMMON	-	→8/28(4)	-	-	-	-	→9/6	P	9/18→	→9/17
WHIP-POOR-WILL	-	P	→7/29	-	-	-	→7/11(23)-8/29	P	→8/22(26)-25	-

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	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
SWIFT, CHIMNEY	A	→9/18	A	→8/17	-	→7/28(14)	→9/28	P	→9/7	A
HUMMINGBIRD, RUBY-THROATED	A	→9/18	→9/22	→9/24	-	AL	→9/19	A-8/28(20)	→7/29(6)-9/18	→9/25
WOODPECKER, RED-HEADED	8/20	9/3-24	-	-	-	-	-	P	-	R
SAPSUCKER, YELLOW-BELLIED	A	9/18	9/24	A	-	→7/27(4)-9/27	9/19-22	P	A	-
FLICKER, NORTHERN	A	R	A	A	-	A	→9/25	P	R-9/14(12)	R
FLYCATCHER, OLIVE-SIDED	A	8/13-9/2	-	-	-	-	→8/22-9/19	-	-	9/12
WOOD-PEWEE, EASTERN	P	A	-	→8/20	-	→9/9	9/11-18	→9/28	→9/18	→9/20
FLYCATCHER, YELLOW-BELLIED	8/8-11	-	-	-	-	-	→7/11	8/18-24(5)-9/29	7/16*	-
ACADIAN	-	P	-	-	-	-	-	→9/30	-	→9/26
ALDER	P	P	-	→8/7	-	-	-	P	-	-
WILLOW	P	→8/14	-	-	-	→8/27	→7/23	→9/24	→7/30	→7/19
LEAST	→8/29	→8/21	-	-	→7/1	→8/17	-	→9/25	→7/4	→9/11
PHOEBE, EASTERN	A	A	-	A-7/11(5)	-	→9/27	A	P	A-9/18(5)	A
FLYCATCHER, GREAT CRESTED	P	A	-	-	-	→9/4	-	P	→9/14	→9/20
KINGBIRD, EASTERN	→9/15	→8/17(6)	-	-	→7/20(6)-8/12	→9/6	→8/27	P	→8/11(4)-23	→9/7
VIREO, WHITE-EYED	-	→9/19	-	-	-	-	→9/11	A	-	→9/26
BLUE-HEADED	A	A	-	A	-	→9/23	→9/28	A	A-9/18(5)	8/29-9/27
YELLOW-THROATED	-	A	-	→9/25	-	→9/8	→9/23	P	→7/29	→9/18
WARBLING	-	P	-	-	-	→9/10	→9/23	→9/7	→9/18	7/5
PHILADELPHIA	9/6	9/11(9)-19	9/14-22	-	-	9/8	9/5-22	8/27-9/25	8/26-9/18	9/11-12
RED-EYED	→9/19	A	-	→8/31	-	→9/19	→9/26	A-8/24(22)	→9/18	→9/26
CROW, FISH	-	A	-	-	-	-	-	-	→7/2	R
RAVEN, COMMON	R	R	-	R	-	R	-	R	-	R
LARK, HORNED	P	P	-	-	-	R	-	P	-	-
MARTIN, PURPLE	-	→8/19(9)	8/17	-	-	→8/18(25)	→8/19	P	-	→9/19
SWALLOW, TREE	P	A	-	→AUG	→9/14(10)	-	→7/11	P	→9/18(190)-23	A
NORTHERN ROUGH-WINGED	P	→8/2	-	-	-	-	→8/22	→7/14	→7/2	→9/26
BANK	P	→8/14	7/27(57)	-	→9/14	→7/21(28+)	→8/12	P	→7/30(6)	→9/11
CLIFF	P	→8/2	-	-	→9/14	→8/1(23)-24	→8/27	P	-	-
BARN	P	A	-	→8/6(40)-9/12	→9/14(30)	→7/20(35+)-8/25	→9/5	P	→7/30(50)-9/18	→9/17
CHICKADEE, CAROLINA	-	-	R	-	-	-	-	R	-	R
BLACK-CAPPED	R	R	R	R	-	R	-	R	R-9/18(108)	R
NUTHATCH, RED-BREASTED	R	R	9/15	R	-	9/3→	8/30-9/11	R	-	8/30→
CREEPER, BROWN	R	R	-	R	-	R	→9/5	A	R	-
WREN, HOUSE	→9/21	→9/19	-	-	-	→9/15	→9/25	A	→9/18	A
WINTER	A	9/18-23	-	-	-	-	→9/22	A	R	9/27→
KINGLET, GOLDEN-CROWNED	-	R	-	R	-	A	9/7	A	-	9/26→
RUBY-CROWNED	9/24→	9/4→	-	-	-	9/19	9/5→	9/22	9/26	9/27→
GNATCATCHER, BLUE-GRAY	-	→8/22	-	-	-	→9/15	→9/10	→9/20	→7/29	→9/20
VEERY	A	→9/2	-	→7/9	-	→9/19	→7/15	→9/15	→9/10	-
THRUSH, GRAY-CHEEKED	9/26	-	9/25	-	-	-	9/20-24	9/8-26(5)→	9/18	-
SWAINSONS	8/29→	9/18	9/16-30(4)	-	-	9/12	9/10-24	8/18→	9/7-18(8)	8/20→
HERMIT	A	A	P	A	-	A	→9/24	A	→7/2(6)-9/18	-
WOOD	P	A	P	A	-	A	→9/23	A	A	-
ROBIN, AMERICAN	R	R	P	A	A	A	R	A	R	R
CATBIRD, GRAY	A	A	P	A	A	→9/29	→9/24	A	A-9/18(53)	A
THRASHER, BROWN	P	A	P	-	A	→9/15	→9/21	P	→9/18	A
PIPT, AMERICAN	-	-	-	-	-	-	9/30	P	9/27	-
WARBLER, BLUE-WINGED	→8/31	→8/29	→7/20	-	-	→9/9	→9/12	→9/29(4)	-	-
GOLDEN-WINGED	-	→7/28	-	-	-	9/8	-	→8/26	-	9/19
TENNESSEE	8/29-9/18	9/3→	8/29	-	-	9/15	9/5-26	7/21→	9/7	9/12-20
ORANGE-CROWNED	-	A	9/14	-	-	-	9/28	9/17→	-	9/15
NASHVILLE	8/15→	A	9/14	AUG	-	→9/15	9/5-24	9/7→	-	8/31→
PARULA, NORTHERN	-	A	-	-	-	→9/7	→7/17	P	→9/18	→9/18
WARBLER, YELLOW	→7/28	A	-	→SEP	-	→8/6	→9/10	→8/21	→7/30	→9/11
CHESTNUT-SIDED	→9/19	A	P	→8/24	-	→9/19	→9/22	P	→9/18	→9/15
MAGNOLIA	→9/25	A	P	A	-	→9/15	→9/30	9/15(22)→	→9/18	8/24→

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	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
CAPE MAY	9/18-25	8/28-9/18	8/29(10+)	-	-	9/19	8/31-9/30	9/8→	9/18	9/12-18
BLACK-THROATED BLUE	→9/26	A	P	→9/11	-	→9/15	→9/23	A	-	9/1→
YELLOW-RUMPED	A	A	P	A	9/28	A	9/28-29	9/8→	A-9/29(20)	9/26→
BLACK-THROATED GREEN	→9/19	A	P	→9/8	-	→9/19	A	A	→9/18(8)-29	8/21→
BLACKBURNIAN	→9/16	A	P	A	-	→9/15	→9/20	→9/25	→9/18	8/14→
YELLOW-THROATED	-	-	-	-	-	-	→9/10	P	-	→9/12
PINE	-	A	8/10-9/6	-	-	A	→8/7	-	→9/26	A
PRAIRIE	-	A	→8/30	-	-	→9/7	→9/10	→9/18	→8/31	→9/26
PALM	-	9/28→	9/14	-	-	8/22	8/22	P	9/27	-
BAY-BREASTED	-	8/28	9/6	-	-	9/15	9/5-30	9/25(4)	-	9/2→
BLACKPOLL	9/12-19	9/11→	9/14	-	-	9/15	9/5-30	8/24→	A*	9/26→
CERULEAN	-	→8/28	-	-	-	-	-	→9/8	-	→7/28
BLACK-AND-WHITE	→9/12	A	A	-	-	A	→9/13	→9/29	→9/18	8/22→
REDSTART, AMERICAN	A	A	→9/6	-	-	→9/19	→9/22	A	→9/29	A
WARBLER, WORM-EATING	-	A	-	-	-	-	→7/11	→8/20	-	→7/4
OVENBIRD	→9/19	A	-	→8/16	-	→9/15	→9/24	A	→7/2(15)-9/18	→9/26
WATERTHRUSH, NORTHERN	9/12	-	P	-	-	-	8/24	7/11→	→7/1	-
LOUISIANA	-	P	-	-	-	-	→7/14	→7/25	→9/18	→9/12
WARBLER, KENTUCKY	-	-	-	-	-	-	-	→8/31	-	→9/27
CONNECTICUT	9/19	-	-	-	-	-	-	8/31→	-	9/12
MOURNING	→9/18	-	-	-	-	→9/15	-	P	-	9/12
YELLOWTHROAT, COMMON	→9/19	A	-	A	-	A-7/18(8+)	→9/25	A	→9/18(32)-27	A
WARBLER, HOODED	→9/19	A	-	A	-	-	→9/26	A	-	9/17
WILSON'S	9/5	8/20-28	9/14	-	-	-	9/10-20	8/19→	-	9/12-19
CANADA	→8/8	A	P	-	-	-	→9/11	→8/29	-	8/21-9/26
CHAT, YELLOW-BREASTED	-	A	-	-	-	-	-	→7/26	-	-
TANAGER, SCARLET	→9/28	A	-	→9/3	-	→9/19	→9/18	A	→9/18	A
TOWHEE, EASTERN	A	A	A	-	-	A	→9/24	A	A-9/18(6)	R
SPARROW, CHIPPING	A	A	A	A	A	→9/27	A	A	A-7/18(32)	A
FIELD	P	A	A	P	P	A	A	A	A-9/18(5)	R
VESPER	-	P	A	8/12	-	-	-	P	-	-
SAVANNAH	A	P	A	→8/3	-	→9/19	A	P	→9/10(8)-21	A
GRASSHOPPER	-	P	A	→7/20	-	-	→7/10	P	→7/9	→7/24
HENSLOW'S	-	-	A	→7/30	-	-	→7/10	P	→7/30	-
LINCOLN'S	-	9/11-19	-	-	-	-	9/17-24	9/18(12)	-	-
SWAMP	P	A	A	→7/20	-	-	A	A	A	R
WHITE-THROATED	-	9/19→	-	R	-	A	9/22→	9/17→	9/18→	9/26→
WHITE-CROWNED	-	-	-	-	-	-	-	9/30→	-	-
JUNCO, DARK-EYED	R	A	A	R	-	A	R	A	R	9/11→
GROSBEAK, ROSE-BREASTED	→9/26	A	A	→9/20	-	→9/21	→9/26	A	→9/20	A
BLUE	-	8/23	-	-	-	-	-	-	-	→8/17
BUNTING, INDIGO	P	A	→8/29(30)	→SEP	-	→9/19	→9/22	A	→9/10	A
BOBOLINK	-	7/1	-	-	-	→7/21	A-8/30(250)	P	→8/11(51)-9/18	→8/3
BLACKBIRD, RED-WINGED	P	A	A	-	-	A-9/5(10000)	→9/9	A	A	R
MEADOWLARK, EASTERN	A	P	A	-	-	→7/25	-	A	→9/18(7)	R
BLACKBIRD, RUSTY	-	-	-	-	-	-	9/22-23	P	-	-
GRACKLE, COMMON	P	A	-	A-8/7(400)	-	A	→9/21	A	A-9/18(202)	R
COWBIRD, BROWN-HEADED	P	A	A	A	-	→9/29	→8/28	A	A	R
ORIOLE, ORCHARD	-	→7/1	-	-	-	-	-	P	7/1	→8/3
BALTIMORE	→9/3	→9/1	A	→8/18	-	→9/8	→8/28	→8/26	→9/7	→9/22
FINCH, PURPLE	A	9/3→	-	R	-	A	7/14-9/18	A	A	-

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