

The 7th Annual North American Migration Count (NAMC) in Pennsylvania

by Ted Floyd

Overview

The 7th annual North American Migration Count (NAMC) was held on a soggy and somewhat chilly 9 May 1998. It was a record-setting count in every sense: 8 observers in 43 counties recorded 237 species. Previous records were 39 counties (1996), 730 observers (1997), and 234 species (1997). Count day came toward the end of a long period of unrelenting northerly winds, which were probably responsible for a nearly complete absence of passage transients (especially passerines).

The Weather

Much more so than with Christmas Bird Count (CBC) data, NAMC data are critically influenced by count day weather. This is due to: (a) the biological fact that migrants are much more heavily impacted by count-day meteorological phenomena than are winterers; and (b) the statistical fact that the NAMC is conducted on a single day as opposed to the two-week period during which the CBC is conducted.

And how about that weather?! Down here in Philadelphia County, when Michael Pratt and I finished up around 4:00 p.m., it was pouring down raining, and the winds were whipping out of the northeast at 25 mph. Surprisingly, the coldest weather in the state was recorded in Philadelphia, typically the commonwealth's meteorological "hot spot."

The conditions were more brutal in the southeastern part of the state than elsewhere, but nowhere was the weather conducive to good migrant numbers. Throughout the state on count day, there was a strong northerly flow. It was generally northeasterly in the eastern part of the state, and more northwesterly in the west. Rain was fairly steady in the east, but only intermittent further west.

The conditions leading up to count day weren't any more propitious than count day itself. For weeks, the whole region had been experiencing a highly unseasonable sustained

northerly flow.

The birds

There were several major trends, all of them easily related to the weather conditions: large numbers of lingerers, very low numbers of seasonal species, and a good influx of coastal species.

1. Lingerers

Among lingering species, the most impressive showing was put on by the "winter finches: 20 **Red Crossbills** on 4 counts, 50 **White-winged Crossbills** on 3 counts, 137 **Pine Siskins** on 21 counts, 84 **Evening Grosbeaks** on 13 counts, and even a flock of 14 **Common Redpolls** in Huntingdon County. In most years, that would be a decidedly above-average showing even on the statewide CBC tally. Other late passerines included 12 **Rusty Blackbirds** on 5 counts, 2 **Yellow-headed Blackbirds** on 2 counts, and a **Fox Sparrow** in Blair County. Among non-passerines, it was surprising that all 16 species of Pennsylvania's annually occurring raptors made appearances on count day. Highlights included a late **Rough-legged Hawk** in Mercer County and 3 **Golden Eagles** on 2 counts.

2. No-shows

Species like **Olive-sided Flycatcher**, **Yellow-bellied Flycatcher**, and **Gray-cheeked Thrush** were missed altogether. It was the first-ever miss for Olive-sided Flycatcher. Gray-cheeked Thrush had been missed once before (in 1992) and Yellow-bellied Flycatcher had been missed twice before (in 1992 and 1993), but that was back in the first two years of the NAMC when coverage and participation in Pennsylvania wasn't nearly as heavy as it has become in recent years. Meanwhile, other typical mid-May migrants were extremely scarce, such as **Common Nighthawk** (12 birds on 7 counts), **Willow Flycatcher** (6 birds on 4

counts), **Swainson's Thrush** (a paltry 11 birds on 9 counts), **Tennessee Warbler** (only 20 birds on 5 counts), **Bay-breasted Warbler** (25 birds on 11 counts), **Canada Warbler** (21 birds on 7 counts), and **Wilson's Warbler** (4 birds on 3 counts). The preceding numbers are exceptionally low in comparison with recent years' counts, even without an adjustment for the record participation levels this year.

3. A coastal influx?

Count day weather in Berks County was horrid: northeast winds to 25 mph with light to moderate rain all day long. In other words, just the way the birders like it in Berks County! With 43 birders in the field in Berks County alone, it was almost anticlimactic when I learned that one of their top birds was an ultra-rare **Arctic Tern**, seen well by the likes of Ken and Harold Lebo, Eric and Jan Witmer, Frank and Barb Haas, John Fedak, Randy Miller, and Jonathan Heller. Other birds that may have been blown inland on the strong northeast winds included: **Red-throated Loon** (1 bird in Cumberland County), **Common Loon** (402 birds in 29 counties), **Horned Grebe** (29 birds in 9 counties), **Little Blue Heron** (1 bird in Centre County), **Tricolored Heron** (1 bird in Lancaster County), **Cattle Egret** (2 birds in 2 counties), **Glossy Ibis** (1 bird in Lancaster County), **Snow Goose** (142 birds in 5 counties), **Greater Scaup** (1 bird in Franklin County), **Oldsquaw** (4 birds in 2 counties), **Black Scoter** (1 bird in Indiana County), **Surf Scoter** (7 birds in 4 counties), **Red-breasted Merganser** (72 birds in 16 counties), and **Ruddy Duck** (248 birds in 20 counties).

Table 1. The Top Counts

Franklin County took top honors this year, with a grand total of 166 species. Lancaster followed rather distantly at 161, and 6 other counts finished above 150. Here are the Top 10:

1. Franklin	166
2. Lancaster	161
3. Cumberland	158
4. Centre	154
5. Butler	153
5. Schuylkill	153
5. Westmoreland	153
8. Dauphin	152
9. Huntingdon	149
10. Indiana	146

Table 2. The Most Participants

It was gratifying to see that 10 counties fielded at least 35 observers. Here's the list:

1. Franklin	56
1. Westmoreland	56
3. Indiana	55
4. Chester	44
5. Berks	43
6. Bucks	40
7. Allegheny	37
7. Lancaster	37
9. Schuylkill	36
10. Dauphin	35

Table 3. The Most Widespread Birds

There were 19 species that were found on all 43 counts. All 19 are common breeders in the state, and only 3 of them (Wood Thrush, Red-eyed Vireo, and Ovenbird) are long-distance migrants. Here's the list:

1. Mallard
2. Yellow-shafted Flicker
3. Eastern Phoebe
4. Tree Swallow
5. Blue Jay
6. American Crow
7. Tufted Titmouse
8. Wood Thrush
9. American Robin
10. Gray Catbird
11. Red-eyed Vireo
12. Ovenbird
13. Northern Cardinal
14. Eastern Towhee
15. Chipping Sparrow
16. Song Sparrow
17. Red-winged Blackbird
18. Common Grackle
19. American Goldfinch

Table 4. The Most Abundant Birds

They're a rather undistinguished lot, but here they are:

1. Canada Goose	13,400
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2. American Robin	12,994
3. European Starling	12,490
4. Red-winged Blackbird	11,516
5. Common Grackle	10,706
6. American Crow	6,748
7. Tree Swallow	6,427
8. Barn Swallow	6,114
9. American Goldfinch	4,750
10. Mourning Dove	4,640

Table 5. The most abundant northbound non-breeders

This is a list of the most abundant species that do not breed in Pennsylvania. The birds on this list are remarkable for: (a) their diversity and (b) their scarcity. Here's the list:

1. Common Loon	402
2. Solitary Sandpiper	248
3. Least Sandpiper	213
4. Laughing Gull	153
5. Snow Goose	142
6. Ruby-crowned Kinglet	121
7. American Pipit	111
8. Lesser Yellowlegs	75
9. Greater Yellowlegs	73
10. White-winged Crossbill	50

Table 6. The most abundant passage transients.

This is a list of the most abundant species that are never resident in Pennsylvania (whether as winterers or breeders or non-breeding summer residents). The list is a small one and goes to show just how uncommon the true passage transients were on count day. Here's the list:

1. Solitary Sandpiper	248
2. Least Sandpiper	213
3. Lesser Yellowlegs	75
4. Greater Yellowlegs	73
5. Palm Warbler	34
6. Bay-breasted Warbler	25
7. Semipalmated Sandpiper	23
8. Pectoral Sandpiper	21
9. Tennessee Warbler	20
10. Cape May Warbler	19

Table 7. The most abundant transient passerines

Finally, here's a list of the passerine species that meet the criteria in Table 6. The list is tiny, and further illustrates the remarkable scarcity of true passage transients on count day. Here's the list:

1. Palm Warbler	34
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2. Bay-breasted Warbler	25
3. Tennessee Warbler	20
4. Cape May Warbler	19
5. Philadelphia Vireo	5
5. Lincoln's Sparrow	5
7. Wilson's Warbler	4
8. Orange-crowned Warbler	2
8. Swainson's Warbler	2
10. Connecticut Warbler	1

Perspective

Probably, the statewide big day effort in Pennsylvania will never quite rival the celebrated and high-profile New Jersey effort ("The World Series of Birding"). For one thing, there was the problem that the NAMC and the World Series were on the same day in 1998, which contributed to a significant defection of southeastern Pennsylvania's top birding talent. For another thing, many of us are starting to wonder if NAMC day will ever coincide with a weather pattern that can be characterized as anything other than "totally miserable". Bottom line: if we ever get nice weather on count day, I think 250 species and 1000 observers in 50 counties is an eminently realistic goal to shoot for.

But even with the wretched weather, Pennsylvania once again proved to be a fine place to spend a long day in the field during the second weekend in May. The spring warbler flight through Pennsylvania is often as good as it gets anywhere in the world, and this year proved no exception: we found 37 species of warblers, including **Golden-winged, Orange-crowned, Yellow-throated, Cerulean, Prothonotary, Worm-eating, Swainson's, Kentucky, Hooded, Connecticut, and Mourning**. It's the sort of list we've come to take for granted here in Pennsylvania, but it's an assemblage of species that few, if any, other states or provinces could boast during a single, soggy day in May. Other highlights included: an even dozen species of Ciconiiformes (14 if you include the vultures!); 16 species of Falconiformes (14 if the vultures don't count); 25 species of Anatidae; and a modest 16 species of shorebirds.

Now in its 7th year, the NAMC in Pennsylvania seems to have become established as a regular part of the annual birding cycle. Interest and participation in the NAMC continue to grow, and I doubt we're even approaching a leveling-off point yet.

For example, it is amazing to consider that some of the absolute best counties in the commonwealth still receive no coverage at all on count day. Most egregious is the omission of Erie County, surely the most exciting place to be in Pennsylvania in mid-May. A Delaware County effort would likely pay handsome dividends, as well. Even the lesser-known counties can produce long lists of good birds, as a quick glance at Table 1 will reveal.

We do the NAMC because it is fun, of course. (And it really is, even when you've been thoroughly soaked and badly chilled for 20 hours straight...) But we're also aware that the NAMC is starting to take form as an intriguing and valuable long-term citizen-scientist monitoring effort. Let's keep it up!

Acknowledgments

Abundant thanks to all the compilers who got their data to me in timely (and in certain cases, timeless) fashion. And, as always, thanks to Frank and Barb for their heroic forbearance.

Appendix

List of participants, compilers' addresses, and unidentified or hybrid forms. Note: the unidentified and hybrid forms that appear in this appendix are not figured into the summary statistics in the main table.

1. Adams County (ADAM) — Peter Buglar, Art Kennell, Barry Myers, Rusty Ryan, Thora Stith, Deb Siefken, Fraya Qually. **Art Kennell, compiler (2332 Bullfrog Road, Warbler Woods, Fairfield PA 17320, 717-642-6995).**

2. Allegheny County (ALLE) — Mary Ann Aug, Henry Bakkela, Marge Bakkela, Don Beck, Paul Beck, Paul Brown, Glenn Davis, Joann Davis, Mark Dixon, Betty Dowling, Mike Fialkovich, Bill Hintze, Clare Holzner, Bill Judd, Vickie Judd, Scott Kinzey, Lydia Konecky, Eric Barchbein, Carol McCullough, Fred McCullough, Mark McKellar, Melanie McKellar, Joyce Murdy, John Murphy, Kathy Murphy, Joan Novogradac, Chris Parker, Marion Parker, Regis Schultz, Sam Sinderson, Jack Solomon, Sue Solomon, Claire Staples, Chriss Stephens, Mary Ann Thomas, Jim Valimont, Mark Williams. **Paul Hess, compiler (1412 Hawthorne Street, Natrona Heights PA 15065, 724-226-2323, phess@salsgiver.com).** gull sp. 1; chickadee sp. 14.

3. Beaver County (BEAV) — Barbara Kiester, Bruce Kiester, Joel Mason, Pat

Mason, Rick Mason, Shirley Mutz. **Rick Mason, compiler (475 Maxine Drive, Beaver Falls PA 15010, 724-847-0909, rdmason@ccia.com).**

4. Bedford County (BEDF) — Dixie Defibaugh, Etter Grazier, Ron Kidd, Clyde McGinnett, Bill Miles, Sara Miles, Ruth Mook, Don Morris, Janet Shaffer, Evelyn Stinson, Susan Wakeman. **Rosie McGinnett, compiler (Route 1 Box 426, Bedford PA 15522, 814-623-1229).** flycatcher sp. 1.

5. Berks County (BERK) — K. Bohanak, R. Carpenter, C. Drasher I, C. Drasher II, J. Dunkle, M. Ehst, D. Fatora, K. Grim, L. Harbaugh, R. Heise, J. Holcomb, L. Ingram, R. Keller, A. Kendall, B. Kratz, H. Lebo, K. Lebo, N. LeVan, L. Lloyd, S. Martin, K. McComsly, M. Monroe, N. Plaisted, B. Pounder, B. Renkus, D. Reynolds, P. Reynolds, L. Scheirer, H. Silagy, J. Silagy, B. Smith, N. Smith, R. Smith, R. Spangle, M. Spence, C. Tobias, M. Tobias, B. Uhrich, M. Vrabil, T. Wirth, A. Wlasniewski, M. Wlasniewski, T. Wlasniewski. **Matt Wlasniewski, compiler (21 Scenic Drive, Hamburg PA 19526, 610-562-7550, matski@enter.net).** peep sp. 2; chickadee sp. 2.

6. Blair County (BLAI) — Bill Birtch, Marcia Bonta, Wes Burket, Janet DeMuth, Bea Dorminy, Debbie Haine, Collette Heller, Willi Heller, Bill King, Alice Kotala, Stan Kotala, Glen Pelter, John Salvetti, Katharine Temple, Terry Wentz. **Bill King, compiler (3021 West Chestnut Avenue, Altoona PA 16601, 814-942-7673, wkingsr@aol.com).** peep sp. 1.

7. Bucks County (BUCK) — D. Allison I, D. Allison II, B. Ashton, C. Ashton, J. Barrell, A. Bert, G. Campbell, K. Campbell, G. Carmichael, J. Carmichael, C. Crunkleton, C. Deemer, T. Evans, S. Farbotnik, R. French, J. Gahlagher, G. Gladston, N. Goldstein, R. Hamilton, J. Hartley, A. Henry, K. Kitson, C. Lyman, J. Lyman, M. Lyman, W. Margolis, J. McCarthy, D. McClintock, B. McGlaughlin, M. Pringle, F. Reckner, T. Reckner, P. Rossi, H. Rufe, J. Rufe, M. Rutbell, R. Scheibner, S. Senneur, J. Stewart, D. Toth, W. Whitelam, T. Wurtenberger. **Ken Kitson, compiler (204 Headquarters Road, Ottsville PA 18942, 610-847-2968, kkitkraft@aol.com).**

8. Butler County (BUTL) — Harriet Bauer, Helen Beck, Andy Bidwell, Graham Bier, Suzanne Butcher, Anna Craig, Dick Craig, Ruth Crawford, Helen Ferguson, Larry Helgeman, Sarah Ibershoff, Mike McGratz, Mark McKellar, Ann Oesterling, Don Oesterling, Betsy Owens, George Reese, Bill Sayles, Mrs. Sayles, Betty Starr, Bob Walczak, Gene Wilhelm, Joanne Wilhelm, Mary Wilson. **Gene Wilhelm, compiler (513 Kelly Boulevard, Slippery Rock PA 16057-1145, 724-794-**

2434). Empidonax sp. 1.

9. Cameron County (CAME) — John Fedak, Deuane Hoffman. **Deuane Hoffmann, compiler (3406 Montour Street, Harrisburg PA 17111, 717-564-7475, raven@paonline.com).** swallow sp. 30.

10. Centre County (CENT) — Joe Bishop, Dorothy Bordner, Dave Brandes, Ed Budd, Debra Cochrane, Margaret Dunson, Bob Fowles, Alice Fuller, Ted Fuller, Molly Heath, Harry Henderson, Mark Henry, Mary Lovett, Phil Lovett, Alison Norris, Will Norris, Tim O'Connell, Becky Peplinski, John Peplinski, DiAnn Prosser, Brian Quay, Kelly Quay, Paul Rodewald, Kris Sedmera, Kevil Sherrill, Ursula Sherrill, Barb Snyder, Bob Snyder, Eugene Zielinski. **Eugene Zielinski, compiler (1322 Old 220 Road, Bellefonte PA 16823, 814-353-8212).**

11. Chester County (CHES) — Brad Angell, Gardiner Angell, Bill Barber, Nancy Bernhardt, Robert Bernhardt, Barry Blust, Devault Chrisman, Bill Clark, Elinor Clark, Bob Coleman, Robert Cook, Orville Donnelly, Paul Early, Ted Enterline, Alice Erb, Tom Hollowell, Mike Harvell, Bill Goddu, Dan Hegarty, Beryl Hurlock, Phyllis Hurlock, Mary Alice Knox, Grant Lashbook, Margie Lashbrook, Betty Mather, John McNamara, Martin Page, George Perera, Charles Riley, Helene Riley, Janet Roberts, Elois Rogers, Grier Saunders, Marianne Seitzer, Russ Swett, Lisa Tull, Dale Umbel, Judy White, Christine Wick, Paul Wick, Eleanor Wolf, Richard Wolf. **Martin Page, compiler (9 Old Covered Bridge Road, Newton Square PA 19073-1211, 610-359-9887, martin_page@email.msn.com).**

12. Clarion County (CLAR) — Margaret Buckwalter, Patricia Conway, Pete Dalby, Michael Leahy, Carl Schuur, Ruth Schuur, Helen Marie Williams, plus 9 members of Pete Dalby's *Field Ornithology* class at Clarion University. **Michael Leahy, compiler (P.O. Box 15, Knox PA 16232, 814-797-2287, kleahy@usachoice.net).**

13. Clearfield County (CLEA) — Mary Ann Belin, Stephen Belin, Imogene Ickes, Beverly Matchock, Bob Matchock, Angelia Priselac, Katie Priselac, Lucia Priselac, Michael Priselac. **Stephen and Mary Ann Belin, compilers (R.R. 1 Box 285, Houtzdale PA 16651, 814-378-5848, belin@clearnet.net).**

14. Crawford County (CRAW) — Dan Bickel, Joan Knudson, Chuck Tague, plus 22 participants on a *Nature Observer News* outing to Geneva Marsh. **Chuck Tague, compiler (432 Olympia Road, Pittsburgh PA 15211, 412-488-8760, bluejay@city-net.com).**

15. Cumberland County (CUMB) — Ed Bernot, Jane Earle, Don Ebricht, Kevin Gentzel, Don Henise, Robyn Henise, Les Keck, Ramsay Koury, Pete Lusardi, Don Pattison, Joan Pattison, Joan Renninger, Pat Sabol, Bob Schnell, Polly Schnell, Judy Stine. **Ramsay Koury, compiler (123 Old Ford Drive, Camp Hill PA 17011, 717-761-1871, rkoury123@aol.com).**

16. Dauphin County (DAUP) — David Allen, Bill Baker, Linda Baker, Jane Barnette, Scott Bills, Stephanie Bills, Dan Bogar, Ed Chubb, Joe Church, Mike Church, Nancy Cladel, Bernie Crist, Jon Dale, Cindy Dunn, Dick Franz, Laura Franz, Jim Funck, Joan Funck, Vivian Johns, Carl Juris, Nancy Juris, Dan Kline, Gary LaBelle, Eloise Laskowski, Terry Neumyer, Rick Price, Ron Ramsey, Grace Randolph, Michele Richards, John Showers, Tom Smith, David Solomon, Nancy Solomon, Jim Stanford, Guy Ubaghs. **Grace Randolph, compiler (1060 Country Hill Drive, Harrisburg PA 17111-4656, 717-652-8129, grandol@msn.com).** *Empidonax* sp. 1; "Brewster's" Warbler 2.

17. Fayette County (FAYE) — Elaine Harmon, James Harmon, Rebecca Harmon. **Elaine Harmon, compiler (RD 2 Box 179, Perryopolis PA 15473, 724-736-8819, harmon@hhs.net).**

18. Franklin County (FRAN) — Tom Ash, Blaine Barnhart, Vaughnie Barnhart, Anna Barton, Richard Bell, Charles Beltz, Henry Betz, Denny Bingeman, Darlene Bitner, Eleanor Bower, Richard Bower, Mildred Brechbill, Joan Duffield, Shirly Fenstermacher, Bess Funk, Kenneth Gabler, Carl Garner, Joyce Gartside, Dale Gearhart, Davison Grove, Jesse Hague, Wilmer Hague, Betty Hayden, William Hayden, Donna Heim, Bert Henry, Maynard Henry, Roger Herr-Paul, Barbara Higgins, Dan Higgins, MaryJane High, Bob Kochert, Dave Lehman, Arlene Lipper, James Long, Cheryl Long, Elaine Margret, Eric Martin, George Martin, Russ Martz, Nancy Myers, Lori Nichols, Libby Nispel, Steve Parlate, Connie Phiel, Delores Purnell, Willard Rahn, Tim Rahn, Phil Schaff, Joyce Schaff, Joe Strite, Nancy Strite, Joyce Stuff, Ken Tyson, Ed Yelinak, Jane Yerkes. **Kenneth Gabler, compiler (2381 Lincoln Way West, Chambersburg PA 17201-8655, 717-263-3164).**

19. Greene County (GREE) — Anna Blystone, George Blystone, Ed Brezovsky, Terry Dayton, Al Deynzer, Allen Hill, Marj Howard, James Lovetre, Kathy Kern, Kathy Kisner, John McCann, Sue Moore, Mary Potter, Kathy Reeves, Kathy Renner, Alberta Sparklin, Benjy Strobe, Eric Wachsmuth, Bill Wentzel, Cory Wentzel, Jean Williams, Lew Williams, Jean Zimmerman. **Kathy Kern, compiler (RD 1 Box 58, Waynesburg PA 15370,**

jekern@greenepa.net).

20. Huntingdon County (HUNT) — Megan August, Nick Bolgiano, Jim Curtis, Deb Grady, Deb Grove, Greg Grove, Dave Kyler, Greg Socha, Shirley Wagoner, Doug Wentzel. **Nick Bolgiano, compiler (711 West Foster Avenue, State College PA 16801, 814-234-16801, nbolgiano@minitab.com).** *Empidonax* sp. 1.

21. Indiana County (INDI) — Pat Andrascik, Mary Bash, Alice Beatty, Bill Betts, Tom Betts, Vernon Blystone, Jean Bobella, Lee Carnahan, Roger Carnahan, Art Cochran, Millie Cochran, Ernest Conrad, Geraldine Conrad, Marcy Cunkelman, Jim Dearing, Gloria Dick, Harriet Elliston, Anna Frew, Don Frew, Nelson Frew, Judy Gallo, Sue Gatti, Steve Graff, Ed Griffith, Carol Guba, Margaret Higbee, Roger Higbee, Len Hess, Leon Hue, Dory Jacobs, Pat Johner, Betty Johnson, Gloria Lamer, Mary Little, Beth Marshall, Flo McGuire, Glenda Mears, Helen Mehus, Marilyn Moore, Marjorie Peterson, Alice Pierce, Bill Reddinger, Matt Sarver, Robert Seelhorst, Paulette Sexton, Jack Sexton, Nancy Smeltzer, Charlotte Smith, Patrick Snickles, Linda Stormer, Roger Stormer, Mark Strittmatter, Georgette Syster, John Taylor, Marge Vatter. **Margaret Higbee, compiler (RR2 Box 166, Indiana PA 15701, 724-354-3493, bcoriole@twd.net).** *Empidonax* sp. 1.

22. Juniata County (JUNI) — Jane Bair, Esther Bratton, Chris Kanagy, Daniel Kanagy, Henry Kanagy, Elmer Petersheim, Henry Petersheim, Toby Petersheim, Amos Swarey, Aden Trayer, Linda Whitesel. **Linda Whitesel, compiler (RR 3 Box 820, Mifflintown PA 17059, 717-436-8048).** "Brewster's" Warbler 1.

23. Lackawanna County (LACK) — Derry Bird, Nancy Bird, Rosann Bongey, Michael Carey, Mark Catalano, Mary Kay Coleman, Glenn Czulada, Linda Doherty, Beth Gallagher, Eugene Gallagher, Lois Gallagher, Arlene Jarocha, Marie Jarocha, Gerald Klebauskas, John La Capra, Patricia Manville, Carol Reigle, Rich Saccocio, Jane Shulenberg, Susan Zenke, Tinka Zenke. **Rosann Bongey, compiler (1414 The Hideout, Lake Ariel PA 18436, 717-698-8226).** "Brewster's" Warbler 2.

24. Lancaster County (LANC) — Carl Beck, Yvonne Beck, Phil Bedient, Jerry Book, Bruce Carl, Elaine Chalfont, Larry Coble, Bill Earhart, Tom Garner, Betty Gish, Jane Grissinger, Barb Haas, Frank Haas, Fred Habegger, Dennis Harnley, Tom Hopson, Keith Keidich, Darryl Lawnsbery, Sally Lawnsbery, Patrick McElhenny, Valerie McElhenny, Anne Mease, Randy Miller, Harold Morrin, Beth Morrison, Rick Morton, Chris Pederson,

Brian Schleinkofer, Jane Schreffler, Leon Schreffler, Jeffrey Sheets, Nathaniel Sheets, Gary Shirk, Jim Smith, Rita Smith, Rosemary Spreha, Eric Witmer. **Bruce Carl, compiler (628 Fulton Street, Akron PA 17501, 717-859-4179).**

25. Lawrence County (LAWR) — Barb Dean, George Dean, Priscilla Stoughton, Linda Wagner, Bob Walczak. **Barb Dean, compiler (321 East Meyer Avenue, New Castle PA 16105, 742-658-3393).**

26. Lehigh County (LEHI) — Bernard Morris, Pauline Morris. **Bernie Morris, compiler (4324 Glenwood Drive, Emmaus PA 18049, 610-967-0257).**

27. Luzerne County (LUZE) — Sue Barron, Mark Blauer, Sandy Goodwin, Steuben Granger, Vivian Granger, Alan Gregory, Nancy Houck, Robert Houck, James Hoyson, John Jakoby, Ed Johnson, Scott Killam, Rick Roval, Barbara McAfee, Sam Merrill, Kathleen Niznik, Lisa Paull, Sara Paull, Autumn Pfeiffer, Carol Samuel, Judy Santora, Jim Shoemaker, Bob Wasilewski. **Jim Shoemaker, compiler (24 Abrahams Drive, Wyoming PA 18644-1812, 717-825-9401, hkq@epix.net).**

28. Lycoming County (LYCO) — Bill Barlow, Ron Beach, Mark Cline, Pat Courtright, Phil Courtright, Paul Egli, Peggy Egli, Wesley Egli, Greg Forcey, Lloyd Forcey, Kathleen Mirabella, Joann pap la Rin, Maurice pa la Rin, Mike Reeder, Barbara Reish, Ed Reish, Fred Stiner. **Wes Egli, compiler (PO Box 381, Picture Rocks PA 17762, 717-584-3083).**

29. Mercer County (MERC) — Suzanne Butcher, Shirley McCarl, Rosie Noll, Randy Stringer, Daniel Troyer, Harvey Troyer, Jerry Troyer, Melvin Troyer, Neal Troyer, Linda Wagner. **Suzanne Butcher, compiler (11 Norwick Drive, Youngstown OH 44505, 330-759-1945, sarbie@msn.com).**

30. Mifflin County (MIFF) — Sara Bender, Gloria Bickel, Marilyn Brubaker, Amanda Kauffman, Grace Kauffman, Jewel Kauffman, William Kauffman, Pearl Kauffman, Donald Kenep, Margaret Kenep, Aaron Miller, Darryl Miller, Levada Parchey, Len Pepper, Carol Sanderson, Ruth Smeltzer, Sara Smith, Sara Snook, Catherine Snyder, Nora Torquato, Carolyn Wray, Joe Wray, Sally Zook. **Margaret Kenep, compiler (590 Mountain Lane, McVeytown PA 17051, 717-899-6252, mkenep@lcworkshop.com).**

31. Montgomery County (MONT) — Dorothy Balme, Dave Christiansen, Scott McConnell, Eileen McDonnell, Bill Murphy, Carl Williams. **Scott McConnell, compiler (143 Oakdale Avenue, Norristown PA 19403, 610-539-5421).**

32. Northampton County (NORT) — Tim Burris, Virginia Derbyshire, Linda Freedman, Elaine Mease, Carole Mebus, Eileen Schmidt, Joe Zajacek. **Elaine Mease, compiler (2366 Springtown Hill Road, Hellertown PA 18055, 610-346-7754, measede@enter.net).**

33. Perry County (PERR) — Don Helin, Andy Higgs, Elaine Howe. **Elaine Howe, compiler (PO Box 23, Newport PA 17074-0023, 717-567-2216, dhelin@igateway.com).**

34. Philadelphia County (PHIL) — Erica Brendel, Ted Floyd, Ed Fingerhood, Michael Pratt. **Ed Fingerhood, compiler (70205 Delaire Landing Road, Philadelphia PA 19114, 215-637-2741, efingerhoo@aol.com).**

35. Potter County (POTT) — Jennifer Arnold, Seth Arnold, Betty Devling, Mary Devling, David Hauber, Mary Herrold, Stan Hess, Jack Mitterer, Lucille Nicholson, James Nicholson, Helene Nawrocki, Stache Nawrocki, John Priss, Nancy Priss, Gary Witmer. **Gary Witmer, compiler (19 Avenue B, Coudersport PA 16915, 814-274-7655, haubers3@penn.com).**

36. Schuylkill County (SCHU) — Barbara Allerton, Glenn Bode, Mildred Bode, Tom Clauser, Vivian Connor, John DeBalko, Jonathan DeBalko, Michelle DeBalko, Dave Dolinsky, Laurie Dolinsky, Denise Donmoyer, Marilyn Gamble, Laurie Goodrich, Lisa Grey, Kerry Grim, John Guscott, Barb Jucker, Carol Keesey, Margaret Kerschner, Dan Knarr, Dave Kruel, AnnMarie Liebner, Fred Liebner, Bill Malarkey, Joan Morgan, Tom Noonan, Regina Raudenbush, Suzanne Righter, Nefer Sfarra, Gary Stauffer, Ann Tihansky, Janie Ulsh, Michael Ward, Sally Weisacosky, Vivian Weiss, Doug Wood. **Tom Clauser, compiler (213 Deerfield Drive, Pottsville PA 17901, 717-622-1363, mclauser@pottsville.infi.net).**

37. Nick Kerlin (SULL) — Fred Crafts, Ginny Davis, Bob Exley, Joan Exley, Nancy Heaton, Helen Jordan, Nick Kerlin, Hayden Laubach, Zayne Laubach, Ann Leach, Daniel Long, Donna Long, Emily Long, Hanna Long, Rob Megraw, Beverly Motko, Dave Motko, Janet Mueller, MaryLou Shaffer, Dave Reitz, Flo Reitz, Doris Shrimp, Phyllis Stout, Stuart Stout, Larry Worthington, Matt Worthington. **Nick Kerlin, compiler (PO Box 62, Forksville PA 18616, 717-924-3542, bluebird@epix.net).**

38. Tioga County (TIOG) — Diane Bastian, Fay Bastian, Christian Kaufmann, Kelly Kilmer, Madeline Murphy, Tom Murphy, Bob Ross, Harold Rothrock, Jean Rothrock, Dave Sechrist, Beth Walker, Craig Worthington. **Dave Sechrist,**

compiler (RD 1 Box 175A, Liberty PA 16930, 717-324-5321, dwsbear@hotmail.com).

39. Venango County (VENA) — Kathie Goodblood, Jerry Stanley, Russ States, Carolyn Worley. **Russ States, compiler (24 East Fifth Street, Oil City PA 16301, 814-676-6320, russs@csonline.net).**

40. Wayne County (WAYN) — Voni Strasser plus 6 other observers. **Voni Strasser, compiler (RR2 Box 37, Hawley PA 18428, 717-226-1460, sawwhet@ptd.net).**

41. Westmoreland County (WEST) — LindaLou Baker, Ken Byerly, Dick Byers, Eileen Byers, Jane Caywood, Art Chiapparelli, Ellie Cochran, Ruth Cooper, Joe Corsales, Adrienne Demczyk, Dorothy Demorest, Marvin Demorest, Helen Dolerick, Derry Dorman, Mary Dorman, Dorothy Ferguson, Phyllis Flasher, Sandy Frank, Randi Gerrish, Sarah Gerrish, J. Grubeck, T. Gruber, Hob Harlan, R. Harrison, George Heasley, Joan Holiday, Linda Huber, Duncan Hyslop, Karen Jackson, Merle Jackson, Jamie Kollar, Ray Kollar, Andrea Johnson, Hope King, Iori Kraus, Candy Kubinec, Dennis Lauffer, Bob Leberman, Shirley Lisbon, Mark Mackay, Mark McConaughy, Martha McGinnis, Bob Mulvihill, Tom Pearson, Jim Pemberton, Jenny Pizzutelli, Wendy Poole, Barb Rich, Diane Sever, Mary Shirland, Harvey Spindle, Shirley Spindle, Kristen Sposato, Ellie Stanton, Roberta Stauffer, Michele Zerebnick. **Dick Byers, compiler (3570 Clawson Drive, Murrysville PA 15668, 724-327-6189).**

42. Wyoming County (WYOM) — Bob Daniels, Edwin Johnson, Jeanne Kilmer, Shane Kleiner, Bill Reid. **Bill Reid, compiler (RR 2 Box 143, Tunkhannock PA 18657, 717-836-2734).**

43. York County (YORK) — Carol Walker, Scott Walker. **Scott Walker, compiler (610 Park Avenue, New Cumberland PA 17070-1724, 717-774-2567, n3sw@worldnet.att.net).**

by the *Pennsylvania Birds* editors because of a lack of documentation. The first was a Wilson's Plover in Adams County. This species has not been documented in the state since 1976 and the confusion with young Kildeer and Semi-palmated Plovers makes any report suspect. The bird was supposedly seen over at least two days, yet no word was spread about it, it was not reported in the county compiler's report for the quarter, and no documentation was submitted. A bird this rare in the state deserves better attention than that!

The second species deleted was a report of an American Tree Sparrow, also from Adams County. There are no records of Tree Sparrows occurring in Pennsylvania after April, and therefore any such report should be documented.

*Frank & Barb Haas
Editors*

Editor's Note:

Two species reported on the NAMC were not included in this report

NORTH AMERICAN MIGRATION COUNT - MAY 9, 1998

	ADAM	ALLE	BEAV	BEDF	BERK	BLAI	BUCK	BUTL	CAME	CENT	CHES	CLAR	CLEA	CRAW
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Loon	1	-	-	-	8	9	10	7	-	4	42	8	1	-
Pied-billed Grebe	-	-	-	-	10	-	-	1	-	4	2	-	1	3
Horned Grebe	-	-	-	-	-	-	-	1	-	-	2	7	-	-
Double-crested Cormorant	-	30	10	1	22	-	59	3	-	2	27	1	-	4
American Bittern	-	-	-	-	1	2	-	-	-	1	-	-	-	1
Least Bittern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Great Blue Heron	3	15	26	-	25	-	25	23	3	8	6	3	5	13
Great Egret	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Snowy Egret	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Little Blue Heron	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Tricolored Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cattle Egret	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green Heron	1	1	-	1	1	4	9	-	4	5	3	2	-	1
Black-crowned Night-Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow-crowned Night-Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glossy Ibis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Vulture	13	-	-	-	11	-	10	-	-	6	17	-	-	-
Turkey Vulture	11	11	11	21	84	40	82	22	17	65	105	25	10	22
Snow Goose	-	-	-	-	10	-	-	-	-	-	-	-	-	-
Canada Goose	229	282	84	25	645	27	710	217	19	113	269	90	35	108
Mute Swan	-	2	-	-	13	-	10	1	-	1	-	-	-	5
Tundra Swan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood Duck	11	13	3	12	25	1	13	22	15	9	37	-	10	14
Gadwall	-	-	-	-	-	-	-	-	-	1	-	-	-	3
American Wigeon	-	-	-	-	-	-	-	-	-	3	-	-	-	2
American Black Duck	-	-	-	-	-	-	1	2	-	-	-	-	-	-
Mallard	17	103	28	95	175	33	139	21	17	114	71	9	18	21
Blue-winged Teal	-	-	-	-	-	-	-	8	-	5	-	-	-	2
Northern Shoveler	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green-winged Teal	-	-	-	-	1	-	-	-	-	-	-	-	-	2
Canvasback	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Redhead	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Ring-necked Duck	-	-	-	-	5	-	-	2	-	-	2	-	-	-
Greater Scaup	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Scaup	-	-	-	-	1	-	-	2	-	-	-	-	-	-
Surf Scoter	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Black Scoter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oldsquaw	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bufflehead	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hooded Merganser	-	-	-	-	-	-	-	9	-	3	1	-	-	-
Common Merganser	-	-	-	2	-	-	5	-	20	3	7	-	-	-
Red-breasted Merganser	-	-	-	-	-	-	-	18	-	-	6	7	1	1
Ruddy Duck	-	-	-	-	25	3	5	33	-	5	18	17	-	5
Osprey	5	1	-	-	6	4	5	4	1	8	3	1	2	-
Bald Eagle	-	-	-	-	1	-	-	4	-	3	-	-	-	4
Northern Harrier	-	-	-	-	-	-	-	1	-	-	-	-	-	3
Sharp-shinned Hawk	-	2	-	-	5	-	3	1	2	1	3	3	-	-
Cooper's Hawk	1	3	1	-	2	2	3	2	-	3	1	1	-	-
Northern Goshawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Red-shouldered Hawk	-	-	-	-	1	-	-	6	-	1	-	1	-	-
Broad-winged Hawk	-	3	-	-	7	3	-	3	1	11	-	2	1	-
Red-tailed Hawk	17	27	5	15	24	5	20	12	3	15	14	3	4	6
Rough-legged Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Eagle	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Kestrel	19	-	2	7	8	2	3	2	-	3	4	1	-	1
Merlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peregrine Falcon	-	6	-	-	-	-	-	-	-	-	-	-	-	-

NORTH AMERICAN MIGRATION COUNT - MAY 9, 1998

	ADAM	ALLE	BEAV	BEDF	BERK	BLAI	BUCK	BUTL	CAME	CENT	CHES	CLAR	CLEA	CRAW
Ring-necked Pheasant	-	2	1	1	8	2	3	4	-	5	2	-	1	-
Ruffed Grouse	1	-	-	12	1	26	-	3	4	7	-	3	7	-
Wild Turkey	2	22	-	18	3	2	6	3	21	1	-	1	4	-
Northern Bobwhite	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Virginia Rail	-	-	-	-	-	1	4	3	-	-	8	-	-	3
Sora	-	-	-	-	1	1	-	5	-	3	5	-	-	25
Common Moorhen	-	-	-	-	-	-	-	2	-	-	-	-	-	3
American Coot	-	-	1	6	20	3	1	6	-	8	3	1	-	1
Black-bellied Plover	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated Plover	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Killdeer	17	29	4	17	26	12	14	41	2	30	17	8	6	2
Greater Yellowlegs	2	1	-	2	2	1	1	3	-	2	2	-	-	1
Lesser Yellowlegs	7	-	-	-	2	-	-	2	-	3	1	-	-	6
Solitary Sandpiper	17	6	1	-	5	-	10	4	1	24	3	1	-	-
Spotted Sandpiper	9	10	4	1	12	9	22	7	5	19	6	-	4	4
Upland Sandpiper	-	-	-	-	-	-	-	6	-	-	-	-	-	-
Semipalmated Sandpiper	2	-	-	-	-	-	-	-	-	1	-	-	-	-
Least Sandpiper	11	2	-	-	9	-	-	-	-	7	1	-	-	-
Pectoral Sandpiper	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Dunlin	-	1	-	-	4	-	-	-	-	2	-	-	-	-
Short-billed Dowitcher	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Common Snipe	-	-	-	-	-	-	-	12	3	9	1	2	-	-
American Woodcock	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Laughing Gull	-	-	-	-	-	-	119	-	-	-	1	-	-	-
Bonaparte's Gull	-	-	-	-	1	-	-	3	-	-	-	-	-	-
Ring-billed Gull	-	2	5	-	2	2	60	5	-	70	-	9	-	3
Herring Gull	-	20	1	1	-	-	57	-	-	-	-	-	-	-
Great Black-backed Gull	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arctic Tern	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Common Tern	-	-	1	-	-	-	-	2	-	-	-	-	-	-
Forster's Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Rock Dove	27	13	10	17	153	72	60	150	4	50	53	38	15	3
Mourning Dove	77	91	26	57	140	52	208	54	34	115	126	63	65	11
Black-billed Cuckoo	-	2	-	-	-	4	-	2	-	2	-	-	1	-
Yellow-billed Cuckoo	1	1	1	2	2	2	2	2	2	5	1	-	-	-
Barn Owl	2	-	-	-	2	-	2	-	-	-	-	-	-	-
Eastern Screech-Owl	-	1	-	-	5	-	-	-	1	3	12	-	-	-
Great Horned Owl	1	-	-	-	5	-	8	3	1	1	-	-	1	-
Northern Saw-whet Owl	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Barred Owl	3	-	-	1	-	-	-	1	2	-	-	-	-	1
Common Nighthawk	-	-	-	1	-	-	-	-	-	-	1	-	-	-
Whip-poor-will	-	1	-	2	-	1	-	4	2	5	-	-	-	-
Chimney Swift	29	65	64	14	36	45	350	118	17	94	117	11	3	5
Ruby-throated Hummingbird	8	-	-	17	7	7	4	3	3	11	4	1	4	-
Belted Kingfisher	3	3	8	3	6	3	8	4	5	12	16	-	-	4
Red-headed Woodpecker	5	1	-	1	-	-	-	-	-	3	1	-	-	-
Red-bellied Woodpecker	13	60	12	17	52	9	52	23	2	18	69	6	-	3
Yellow-bellied Sapsucker	-	-	-	-	1	-	-	-	7	-	-	-	-	-
Downy Woodpecker	17	20	9	11	43	7	28	21	8	20	33	5	4	1
Hairy Woodpecker	7	12	2	3	5	5	7	6	4	4	2	2	-	-
Northern Flicker	11	54	5	10	53	18	38	23	7	39	79	4	12	2
Pileated Woodpecker	2	5	2	6	4	9	3	6	6	6	2	3	3	-
Eastern Wood-Pewee	5	-	-	-	1	-	-	1	-	1	3	1	-	-
Acadian Flycatcher	2	-	1	-	3	-	2	-	-	-	7	-	-	-
Alder Flycatcher	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Willow Flycatcher	-	-	-	1	-	-	-	2	-	-	-	2	-	-
Least Flycatcher	-	3	-	-	-	1	-	9	53	21	-	-	-	2

NORTH AMERICAN MIGRATION COUNT - MAY 9, 1998

	ADAM	ALLE	BEAV	BEDF	BERK	BLAI	BUCK	BUTL	CAME	CENT	CHES	CLAR	CLEA	CRAW
Eastern Phoebe	5	12	8	8	38	25	26	34	27	34	30	7	10	1
Great Crested Flycatcher	11	3	3	3	11	14	6	4	10	11	13	1	1	-
Eastern Kingbird	23	1	1	4	26	-	31	9	1	11	37	1	3	3
Loggerhead Shrike	3	-	-	-	-	-	-	-	-	-	-	-	-	-
White-eyed Vireo	7	8	1	-	6	-	2	6	-	2	25	-	-	-
Blue-headed Vireo	-	-	1	-	2	1	-	9	22	26	-	1	-	1
Yellow-throated Vireo	1	11	-	-	3	1	4	18	2	4	6	-	-	1
Warbling Vireo	1	6	-	-	10	-	11	12	8	4	11	-	-	2
Philadelphia Vireo	-	-	-	-	-	-	2	-	-	1	-	-	-	-
Red-eyed Vireo	33	28	13	6	44	10	30	50	24	32	83	4	1	1
Blue Jay	119	154	26	70	176	49	126	63	40	157	155	25	63	8
American Crow	97	170	35	47	229	70	276	61	86	226	199	116	76	23
Fish Crow	2	-	-	-	12	-	5	-	-	5	10	-	-	-
Common Raven	5	-	-	1	-	3	-	-	1	9	-	1	3	-
Horned Lark	11	3	-	-	-	-	-	5	-	6	18	1	-	-
Purple Martin	3	-	-	2	25	-	10	63	-	-	15	-	-	3
Tree Swallow	17	12	9	44	613	54	388	134	66	213	657	74	29	62
Northern Rough-winged Swallow	5	18	35	2	20	6	169	25	33	24	25	-	1	2
Bank Swallow	46	2	-	-	71	-	57	19	8	5	9	10	-	-
Cliff Swallow	-	-	-	10	60	1	127	112	17	15	-	-	-	-
Barn Swallow	87	64	38	40	265	54	218	211	73	267	313	53	15	9
Carolina Chickadee	37	18	3	-	15	-	58	-	-	-	93	-	-	-
Black-capped Chickadee	-	31	14	18	98	19	39	43	31	65	16	16	9	13
Tufted Titmouse	31	122	23	14	120	20	81	19	9	76	114	15	9	4
Red-breasted Nuthatch	-	4	-	-	3	1	-	1	2	3	-	4	2	-
White-breasted Nuthatch	19	21	3	14	25	14	17	2	4	21	14	7	5	2
Brown Creeper	-	-	-	-	3	-	-	4	5	6	-	-	-	2
Carolina Wren	6	51	10	4	20	3	23	7	1	17	38	-	17	-
House Wren	21	24	10	12	66	16	50	27	29	59	55	3	6	-
Winter Wren	-	-	-	-	-	2	-	-	5	-	-	-	-	1
Marsh Wren	-	-	-	-	1	-	-	2	-	1	-	-	-	12
Golden-crowned Kinglet	-	-	-	2	1	1	-	-	5	5	-	-	-	-
Ruby-crowned Kinglet	3	2	1	2	4	2	3	2	3	1	1	-	1	1
Blue-gray Gnatcatcher	21	30	15	4	37	9	35	28	20	19	49	-	3	3
Eastern Bluebird	21	7	9	44	62	24	35	18	8	32	66	21	4	4
Veery	7	1	-	-	25	-	11	1	2	-	27	2	1	-
Swainson's Thrush	-	2	-	-	-	-	1	-	-	-	-	-	-	-
Hermit Thrush	-	1	-	-	1	-	-	-	48	14	-	6	1	-
Wood Thrush	39	50	52	6	164	36	124	48	9	70	184	13	7	8
American Robin	243	379	134	99	553	127	569	147	127	404	456	84	140	28
Gray Catbird	41	40	12	18	303	18	194	50	15	178	340	21	19	7
Northern Mockingbird	22	9	2	9	32	1	32	-	-	10	43	-	-	-
Brown Thrasher	9	3	3	4	10	5	1	14	2	12	12	4	-	1
European Starling	491	159	71	39	555	128	775	192	36	374	369	76	58	47
American Pipit	-	-	-	-	-	-	-	4	-	-	1	-	-	-
Cedar Waxwing	3	8	-	-	15	5	60	39	3	43	-	-	5	-
Blue-winged Warbler	5	18	5	-	11	1	18	38	-	2	24	5	3	-
Golden-winged Warbler	-	-	-	-	-	-	-	-	-	8	-	-	2	-
Tennessee Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange-crowned Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nashville Warbler	1	22	2	-	-	1	-	27	8	6	-	-	-	-
Northern Parula	3	4	-	-	12	-	19	2	14	3	27	-	-	-
Yellow Warbler	12	56	38	7	30	10	42	69	31	95	85	12	3	31
Chestnut-sided Warbler	-	7	-	-	8	1	-	8	18	34	4	5	-	-
Magnolia Warbler	-	1	-	-	1	-	1	10	9	2	3	2	-	-
Cape May Warbler	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Black-throated Blue Warbler	2	8	-	1	16	7	9	6	43	25	13	-	2	-
Myrtle Warbler	13	47	9	-	173	5	136	12	35	132	126	7	-	-

NORTH AMERICAN MIGRATION COUNT - MAY 9, 1998

	ADAM	ALLE	BEAV	BEDF	BERK	BLAI	BUCK	BUTL	CAME	CENT	CHES	CLAR	CLEA	CRAW
Black-throated Green Warbler	3	19	3	1	21	9	8	8	149	103	3	6	7	1
Blackburnian Warbler	-	4	-	-	1	3	-	10	57	11	1	4	-	-
Yellow-throated Warbler	-	2	3	5	-	-	-	2	-	-	-	-	-	-
Pine Warbler	-	1	-	-	4	-	-	-	-	7	-	-	-	-
Prairie Warbler	9	6	-	-	9	-	14	7	-	2	3	1	1	-
Palm Warbler	-	1	1	-	-	-	4	-	-	-	2	-	-	-
Bay-breasted Warbler	1	3	-	-	-	-	-	10	-	-	-	-	-	-
Blackpoll Warbler	1	1	-	-	-	-	1	1	-	-	-	-	-	-
Cerulean Warbler	-	9	3	-	3	3	-	15	5	2	-	-	-	-
Black-and-white Warbler	1	3	1	2	47	7	22	7	76	37	18	2	5	-
American Redstart	14	17	9	7	25	34	10	41	126	59	28	1	-	5
Prothonotary Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Worm-eating Warbler	1	2	1	4	14	21	16	1	4	12	1	-	-	-
Swainson's Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ovenbird	21	6	3	27	166	39	59	30	218	172	67	21	49	3
Northern Waterthrush	-	-	-	1	1	-	-	-	-	5	6	-	-	-
Louisiana Waterthrush	5	2	1	3	12	10	5	4	4	11	7	-	-	-
Kentucky Warbler	3	7	3	-	1	-	-	12	-	2	2	-	-	-
Connecticut Warbler	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Mourning Warbler	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Common Yellowthroat	29	29	8	18	152	35	108	64	58	206	198	40	15	16
Hooded Warbler	2	8	3	-	2	5	-	24	1	7	-	-	-	2
Canada Warbler	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Wilson's Warbler	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Yellow-breasted Chat	2	2	-	3	1	-	-	-	-	-	1	-	-	-
Summer Tanager	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Tanager	9	33	6	23	39	32	25	30	21	44	38	4	-	3
Eastern Towhee	27	85	28	42	92	64	25	73	69	209	84	31	31	1
Chipping Sparrow	21	56	40	49	72	28	41	129	67	180	62	24	31	8
Field Sparrow	14	50	27	23	42	12	35	25	101	101	41	14	6	1
Vesper Sparrow	-	2	3	-	-	-	-	1	2	9	-	-	-	-
Savannah Sparrow	-	3	4	-	2	-	-	109	1	11	5	10	1	1
Grasshopper Sparrow	2	8	3	-	2	-	-	39	-	12	1	6	-	-
Henslow's Sparrow	-	2	-	-	-	-	-	45	-	-	-	22	-	-
Fox Sparrow	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Song Sparrow	19	131	23	30	116	19	136	37	69	176	178	14	13	21
Lincoln's Sparrow	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Swamp Sparrow	1	-	-	1	3	2	15	8	4	22	3	4	-	17
White-throated Sparrow	5	36	-	11	23	7	16	12	4	22	13	1	-	-
White-crowned Sparrow	2	-	1	2	2	1	-	9	-	3	-	9	-	-
State-colored Junco	-	-	-	3	-	5	-	-	54	12	-	10	-	-
Northern Cardinal	49	204	9	61	184	29	162	87	13	147	207	14	16	4
Rose-breasted Grosbeak	7	56	19	2	15	26	23	44	38	27	10	4	12	11
Blue Grosbeak	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indigo Bunting	13	23	2	21	20	13	7	11	9	26	8	10	9	-
Bobolink	17	5	8	-	73	3	18	116	-	4	48	8	-	19
Red-winged Blackbird	81	125	72	73	299	115	292	595	241	306	261	124	69	464
Eastern Meadowlark	27	7	11	8	14	12	7	37	2	22	12	12	5	14
Yellow-headed Blackbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rusty Blackbird	-	1	4	-	-	-	-	-	-	-	-	-	-	-
Common Grackle	83	207	68	125	629	96	613	170	54	484	232	73	65	33
Brown-headed Cowbird	11	49	8	11	132	24	117	42	56	59	127	6	6	7
Orchard Oriole	2	4	1	3	7	3	7	13	-	4	11	-	-	-
Baltimore Oriole	23	62	22	37	103	37	81	39	36	87	99	10	9	14
Purple Finch	3	-	2	5	3	4	-	7	12	4	4	4	2	-
House Finch	73	53	9	22	173	9	95	34	2	86	54	11	12	1
Red Crossbill	-	-	-	-	-	-	-	-	4	-	-	-	-	-
White-winged Crossbill	-	-	-	-	-	-	-	-	-	1	-	-	-	-

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	ADAM	ALLE	BEAV	BEDF	BERK	BLAI	BUCK	BUTL	CAME	CENT	CHES	CLAR	CLEA	CRAW
Common Redpoll	2	-	-	8	-	-	-	3	2	20	-	-	6	-
Pine Siskin	49	143	26	51	190	19	145	42	98	199	191	32	11	18
American Goldfinch	-	-	1	1	-	3	-	15	4	1	-	-	11	-
Evening Grosbeak	27	94	111	53	132	37	94	129	25	162	55	13	8	8
House Sparrow														
TOTAL SPECIES	118	125	95	97	144	108	115	153	112	154	123	99	77	91
TOTAL INDIVIDUALS	2804	4106	1465	1670	8534	1940	8203	4768	2838	6870	7061	1506	1096	1260
temperature (Fahrenheit)	48-52	58-68	50-68	48-60	52-60	55-65	--	50-68	49-57	55-66	45-60	46-70	53-70	45-75
wind direction	NE	N	--	--	NE	NE	--	E	--	NE	NE	E	--	--
wind speed (mph)	--	3-13	0-10	20-90	10-25	7-9	light	0-15	0	3-12	10-25	0-5	0-20	light
per cent cloud cover	100	20-100	25-75	20-90	100	60-100	100	20-50	90-100	100	100	0-20	80-100	0-100
precipitation type	rain	trace	none	fog	rain	drizzle	rain	none	light	drizzle	none	none	mist	trace
Party Hours (Foot/Car)	1/31	62/14	9/8	26/10	73/13	41/13	52/40	15/46	5/9	76/19	54/23	9/26	15/9	6/5
Party Miles (Foot/Car)	1/127	35/101	7/131	13/109	63/120	24/130	42/198	13/324	6/139	67/173	41/185	4/203	9/121	7/63
Observers (Parties/Number)	5/7	13/37	2/6	2/11	23/43	8/15	17/40	5/24	1/2	14/29	14/44	5/16	4/9	2/25

	CUMB	DAUP	FAYE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LAWR	LEHI	LUZE	LYCO
Red-throated Loon	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Loon	9	10	-	48	-	4	7	23	1	143	2	3	7	9
Pied-billed Grebe	-	-	-	5	-	2	1	-	-	1	6	-	-	-
Horned Grebe	-	-	-	6	-	-	1	-	-	-	-	-	1	4
Double-crested Cormorant	37	50	-	1	-	6	6	4	5	47	4	3	6	4
American Bittern	-	-	-	-	-	1	-	-	-	-	-	-	1	-
Least Bittern	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Great Blue Heron	3	8	-	12	61	12	5	3	34	33	64	-	8	1
Great Egret	8	10	-	3	-	-	-	-	-	2	-	-	1	-
Snowy Egret	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Little Blue Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tricolored Heron	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Cattle Egret	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Green Heron	4	6	-	16	2	1	2	5	7	2	3	-	1	-
Black-crowned Night-Heron	17	9	-	-	-	-	-	-	-	113	-	-	-	-
Yellow-crowned Night-Heron	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Glossy Ibis	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Black Vulture	14	17	-	10	-	2	-	39	-	40	-	-	-	-
Turkey Vulture	55	146	-	117	114	29	63	58	26	137	11	2	54	46
Snow Goose	-	-	-	-	-	-	-	-	-	128	-	-	-	-
Canada Goose	242	346	-	363	134	64	283	66	359	5336	282	30	327	55
Mute Swan	1	-	-	-	-	1	-	-	1	2	1	-	-	-
Tundra Swan	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood Duck	34	51	-	39	6	7	30	23	50	54	108	-	43	29
Gadwall	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Wigeon	-	2	-	-	-	-	-	-	-	-	-	-	-	-
American Black Duck	-	18	-	-	1	-	-	-	-	2	-	-	-	-
Mallard	114	164	24	198	32	32	98	70	105	164	70	12	133	27
Blue-winged Teal	6	-	-	4	-	-	2	1	1	1	3	-	-	-
Northern Shoveler	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Green-winged Teal	2	-	-	-	-	-	-	-	-	1	-	-	-	-
Canvasback	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Redhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-necked Duck	1	-	-	-	-	-	2	-	-	-	-	-	-	-
Greater Scaup	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Lesser Scaup	8	1	-	-	-	-	-	-	-	-	-	-	-	4
Surf Scoter	-	-	-	-	-	-	-	-	-	-	-	-	-	4

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	CUMB	DAUP	FAYE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LAWR	LEHI	LUZE	LYCO
Black Scoter	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Oldsquaw	-	3	-	-	-	-	1	-	-	-	-	-	-	-
Bufflehead	5	-	-	-	-	4	-	-	-	-	-	2	1	9
Hooded Merganser	-	3	-	-	-	5	-	-	1	-	1	-	-	-
Common Merganser	4	3	-	3	-	-	-	5	4	-	-	-	3	23
Red-breasted Merganser	2	5	-	5	2	12	3	-	4	2	-	-	-	3
Ruddy Duck	2	18	-	58	-	6	4	-	-	5	-	-	-	-
Osprey	6	1	-	4	-	7	1	2	7	11	2	-	6	5
Bald Eagle	-	4	-	2	-	1	-	1	-	8	-	-	-	-
Northern Harrier	-	2	-	2	-	-	1	-	2	-	3	-	-	1
Sharp-shinned Hawk	-	3	-	5	-	2	7	1	3	3	1	-	2	-
Cooper's Hawk	2	2	-	1	3	1	6	1	1	2	2	-	3	-
Northern Goshawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Red-shouldered Hawk	-	5	-	2	-	1	2	3	3	-	-	-	-	-
Broad-winged Hawk	2	4	-	4	7	3	-	15	2	3	1	-	5	-
Red-tailed Hawk	25	36	2	31	31	6	66	17	19	18	15	6	19	13
Rough-legged Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Eagle	-	-	1	2	-	-	-	-	-	-	-	-	-	-
American Kestrel	25	24	-	17	3	6	21	15	5	9	8	1	9	2
Merlin	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Peregrine Falcon	-	1	-	-	-	-	-	-	-	-	-	-	2	-
Ring-necked Pheasant	2	15	-	13	2	3	14	4	5	6	5	-	1	1
Ruffed Grouse	1	3	-	4	4	8	19	6	6	1	1	-	7	6
Wild Turkey	-	23	15	10	60	8	54	3	21	1	6	-	16	1
Northern Bobwhite	-	-	-	1	-	-	7	-	-	-	-	-	-	-
Virginia Rail	1	1	-	-	-	-	-	-	-	1	-	-	2	-
Sora	1	-	-	-	-	-	-	-	-	-	-	-	6	-
Common Moorhen	-	-	-	-	-	-	-	-	-	-	5	-	-	-
American Coot	5	3	-	9	-	1	9	1	1	1	1	-	-	1
Black-bellied Plover	-	-	-	4	-	-	-	-	-	1	-	-	-	-
Semipalmated Plover	-	4	-	-	-	-	-	-	-	4	-	-	-	-
Killdeer	18	37	2	92	40	18	82	21	31	29	-	2	60	9
Greater Yellowlegs	4	4	-	4	-	3	1	-	1	3	8	1	-	-
Lesser Yellowlegs	6	10	-	22	1	-	-	-	-	6	2	-	3	-
Solitary Sandpiper	12	10	-	45	1	5	3	15	7	16	12	2	14	-
Spotted Sandpiper	27	27	-	129	4	8	13	16	14	39	10	1	15	15
Upland Sandpiper	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Semipalmated Sandpiper	-	-	-	-	-	-	-	-	-	9	-	-	-	-
Least Sandpiper	8	5	-	57	-	-	-	-	6	68	1	-	3	-
Pectoral Sandpiper	15	-	-	-	-	-	-	-	-	4	-	-	-	-
Dunlin	-	2	-	2	-	-	-	-	-	1	-	-	-	-
Short-billed Dowitcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Snipe	2	-	-	2	-	-	-	-	-	2	1	-	1	-
American Woodcock	4	8	-	4	1	5	5	2	3	1	1	-	1	-
Laughing Gull	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bonaparte's Gull	-	3	-	-	-	-	1	-	-	51	-	-	-	-
Ring-billed Gull	40	126	-	8	-	5	42	4	4	371	-	-	-	-
Herring Gull	1	1	-	-	-	-	2	-	-	-	-	-	-	-
Great Black-backed Gull	1	3	-	-	-	-	-	-	-	3	-	-	-	-
Arctic Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Tern	-	-	-	-	-	7	-	-	-	2	-	-	-	-
Forster's Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Tern	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Rock Dove	35	123	16	403	42	21	87	253	87	143	99	20	81	40
Mourning Dove	131	219	13	419	163	47	526	87	165	124	69	20	189	67
Black-billed Cuckoo	-	-	-	2	2	1	2	1	-	1	-	-	-	-
Yellow-billed Cuckoo	1	1	-	1	13	3	1	3	1	2	-	-	1	-
Barn Owl	1	-	-	4	-	-	-	2	-	-	-	-	-	-

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	CUMB	DAUP	FAYE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LAWR	LEHI	LUZE	LYCO
Eastern Screech-Owl	2	-	-	3	-	1	-	-	-	1	1	-	1	1
Great Horned Owl	1	-	-	4	-	-	2	2	-	2	-	-	2	1
Northern Saw-whet Owl	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barred Owl	-	1	-	5	2	1	2	-	1	1	-	-	2	-
Common Nighthawk	-	-	-	3	-	1	-	-	-	2	-	-	-	-
Whip-poor-will	3	1	-	1	1	5	10	2	-	-	-	-	4	-
Chimney Swift	307	54	7	188	109	17	244	77	14	173	143	2	138	6
Ruby-throated Hummingbird	1	12	2	35	20	9	25	4	1	6	2	-	2	2
Belted Kingfisher	5	6	-	21	4	16	16	14	10	16	8	1	8	6
Red-headed Woodpecker	2	47	2	104	29	24	49	20	2	49	11	6	8	9
Red-bellied Woodpecker	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Yellow-bellied Sapsucker	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Downy Woodpecker	17	28	3	73	31	22	51	27	16	26	12	3	33	10
Hairy Woodpecker	4	3	-	13	7	8	15	4	6	3	3	2	7	5
Northern Flicker	18	45	2	83	33	28	90	27	3	44	8	3	43	22
Pileated Woodpecker	4	16	-	20	13	9	30	12	3	6	4	-	5	3
Eastern Wood-Pewee	3	1	2	6	8	2	2	-	3	1	-	1	-	-
Acadian Flycatcher	2	4	-	3	7	2	-	3	-	4	-	-	1	-
Alder Flycatcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Willow Flycatcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Least Flycatcher	1	-	-	2	-	2	20	-	21	1	-	-	16	17
Eastern Phoebe	35	61	3	72	72	35	101	35	41	25	12	4	47	30
Great-Crested Flycatcher	21	20	1	51	4	22	11	22	6	15	1	2	23	12
Eastern Kingbird	15	25	-	82	28	3	19	15	26	35	2	2	12	6
Loggerhead Shrike	-	-	-	2	-	-	-	-	-	-	-	-	-	-
White-eyed Vireo	10	2	1	4	22	-	11	-	-	15	7	-	-	-
Blue-headed Vireo	6	4	1	8	-	17	39	2	2	1	-	-	17	8
Yellow-throated Vireo	-	7	-	4	14	2	10	2	11	6	-	-	5	1
Warbling Vireo	3	6	-	8	4	2	4	3	20	13	22	5	6	-
Philadelphia Vireo	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Red-eyed Vireo	59	58	16	121	86	69	67	46	18	53	17	20	21	11
Blue Jay	129	137	19	324	128	154	544	136	121	153	40	25	112	46
American Crow	126	341	16	373	187	121	715	177	304	159	53	20	409	167
Fish Crow	16	17	-	18	-	3	-	5	1	85	-	3	5	-
Common Raven	3	1	-	1	2	3	1	4	-	-	-	-	5	5
Horned Lark	10	9	-	13	-	2	14	-	-	32	-	-	12	2
Purple Martin	156	-	-	79	12	-	-	141	-	84	38	4	9	6
Tree Swallow	51	224	2	242	26	70	133	127	553	480	29	6	347	88
Northern Rough-winged Swallow	38	71	-	47	27	6	39	20	37	71	17	20	54	20
Bank Swallow	5	200	-	9	-	7	-	4	7	419	4	30	246	37
Cliff Swallow	2	18	-	2	-	26	6	8	1	4	-	-	90	27
Barn Swallow	150	136	37	452	180	108	391	157	268	247	59	-	445	64
Carolina Chickadee	19	22	31	22	71	-	-	-	-	61	-	-	-	-
Black-capped Chickadee	11	37	9	66	-	60	200	31	115	20	22	6	117	21
Tufted Titmouse	79	108	32	181	113	52	168	64	47	69	37	30	92	20
Red-breasted Nuthatch	2	1	-	3	-	8	9	-	-	-	1	-	-	4
White-breasted Nuthatch	18	16	12	51	39	22	75	20	13	6	20	2	36	11
Brown Creeper	-	-	-	-	2	2	-	1	5	-	-	-	5	4
Carolina Wren	18	26	6	17	35	5	13	17	1	35	3	3	5	4
House Wren	77	45	5	125	44	40	101	31	50	68	22	6	89	16
Winter Wren	-	-	-	2	-	3	-	-	3	-	-	-	-	-
Marsh Wren	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden-crowned Kinglet	-	-	-	2	-	-	7	-	2	1	-	-	-	-
Ruby-crowned Kinglet	10	3	-	6	-	5	12	7	1	7	3	-	1	-
Blue-gray Gnatcatcher	41	38	2	64	28	38	84	40	7	39	17	6	63	12
Eastern Bluebird	48	113	5	181	66	27	84	73	22	53	31	2	32	39
Veery	6	6	5	7	1	1	4	3	19	8	-	2	14	1
Swainson's Thrush	1	-	-	2	-	1	-	1	-	-	-	-	-	-

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	CUMB	DAUP	FAYE	FRAN	GREE	HUNT	INDI	JUNI	LACK	LANC	LAWR	LEHI	LUZE	LYCO
Swamp Sparrow	3	-	-	2	-	4	3	7	13	8	24	-	29	-
White-throated Sparrow	75	30	-	42	10	24	88	37	8	51	6	2	5	4
White-crowned Sparrow	5	1	-	52	11	4	22	2	4	2	4	-	2	-
Slate-colored Junco	-	2	-	2	-	17	3	1	7	-	-	-	2	18
Northern Cardinal	92	153	18	235	161	62	341	211	95	161	48	25	118	34
Rose-breasted Grosbeak	18	16	-	15	32	16	108	1	27	16	22	5	31	26
Blue Grosbeak	-	-	-	2	-	-	-	-	-	3	-	-	-	-
Indigo Bunting	29	71	2	99	70	16	130	42	8	53	4	-	34	6
Bobolink	13	31	-	75	-	9	26	10	146	31	111	25	54	4
Red-winged Blackbird	228	377	76	480	406	172	1283	169	535	237	258	30	495	109
Eastern Meadowlark	30	31	2	72	40	9	115	22	23	7	55	15	49	1
Yellow-headed Blackbird	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Rusty Blackbird	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Common Grackle	580	804	22	1167	169	188	867	321	206	510	220	70	548	170
Brown-headed Cowbird	66	92	-	144	161	66	198	90	79	156	30	20	152	37
Orchard Oriole	7	5	-	7	26	3	10	4	1	12	-	-	3	-
Baltimore Oriole	46	109	2	143	128	59	141	69	103	64	26	6	72	27
Purple Finch	-	2	-	31	1	17	23	14	24	19	6	-	2	1
House Finch	67	108	25	255	56	17	169	59	63	104	56	10	72	27
Red Crossbill	-	-	-	-	-	-	7	-	-	-	-	-	-	-
White-winged Crossbill	-	-	-	-	-	-	-	37	-	-	-	-	-	-
Common Redpoll	-	-	-	-	-	14	-	-	-	-	-	-	-	-
Pine Siskin	-	3	-	3	9	4	6	-	-	-	-	-	2	17
American Goldfinch	152	219	32	275	94	139	329	117	111	309	139	12	161	71
Evening Grosbeak	-	-	-	-	3	15	-	-	-	-	-	-	-	4
House Sparrow	133	112	22	517	143	23	290	158	70	170	169	20	228	49
TOTAL SPECIES	158	152	53	166	108	149	146	123	126	161	115	80	137	111
TOTAL INDIVIDUALS	6399	8536	603	13274	5976	4214	15820	4847	6109	14454	3657	850	9266	2493
temperature (Fahrenheit)	50-65	58-67	68-73	55-69	60-72	57-72	57-79	57-69	50-60	50-65	52-70	50-60	55-66	56-66
wind direction	--	--	--	--	--	--	E	NW	--	NE	N	N	E	--
wind speed (mph)	light	light	light	5-10	0-2	1-20	1-12	1-8	windy	0-10	5-10	--	10-15	0-8
per cent cloud cover	100	100	100	60-100	20	90-100	100	90-100	100	100	50-100	100	90-100	60-80
precipitation type	light	rain	none	rain	none	none	none	light	rain	rain	rain	rain	rain	rain
Party Hours (Foot/Car)	44/17	70/30	3/6	81/71	11/43	42/15	82/66	19/10	30/49	65/18	7/37	5/3	43/39	29/18
Party Miles (Foot/Car)	22/422	53/311	2/65	61/614	6/328	36/274	66/777	14/153	34/517	35/213	9/194	10/80	33/579	18/363
Observers (Parties/Number)	7/16	14/35	1/3	22/56	6/23	7/10	21/55	4/11	8/21	12/37	3/5	1/2	12/23	8/17

	MERC	MIFF	MONT	NORT	PERR	PHIL	POTT	SCHU	SULL	TIOG	VENA	WAYN	WEST	WYOM	YORK
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Loon	4	-	-	-	3	2	-	13	4	-	10	-	6	-	4
Pied-billed Grebe	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Horned Grebe	-	-	-	-	-	66	-	13	2	-	5	-	19	-	1
Double-crested Cormorant	14	-	-	-	-	-	-	-	-	-	1	-	-	-	-
American Bittern	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Least Bittern	-	-	-	-	-	1	-	19/10	-	-	-	-	-	-	-
Great Blue Heron	10	1	2	-	-	9	3	23	3	27	7	12	12	10	1
Great Egret	-	-	-	-	1	2	-	1	-	-	-	-	-	-	2
Snowy Egret	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-
Little Blue Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tricolored Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cattle Egret	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green Heron	1	-	-	1	3	3	4	5	-	-	1	-	4	2	-
Black-crowned Night-Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow-crowned Night-Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	MERC	MIFF	MONT	NORT	PERR	PHIL	POTT	SCHU	SULL	TIOG	VENA	WAYN	WEST	WYOM	YORK
Semipalmated Sandpiper	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-
Least Sandpiper	2	-	9	-	-	6	3	-	-	-	11	-	4	-	-
Pectoral Sandpiper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-billed Dowitcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Snipe	-	-	-	-	-	1	-	6	-	-	-	-	2	-	-
American Woodcock	4	-	-	-	-	1	-	1	1	3	-	1	2	-	-
Laughing Gull	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-
Bonaparte's Gull	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-billed Gull	-	-	-	-	-	680	-	2	-	-	8	1	4	-	-
Herring Gull	2	-	-	-	-	10	-	2	-	-	-	-	-	-	-
Great Black-backed Gull	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
Arctic Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forster's Tern	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-
Black Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock Dove	39	133	54	5	-	333	102	272	19	67	110	12	30	230	-
Mourning Dove	66	51	37	9	-	123	100	347	60	22	78	99	235	51	4
Black-billed Cuckoo	-	2	-	1	-	-	-	2	-	-	-	-	3	-	-
Yellow-billed Cuckoo	-	5	1	-	-	-	1	1	-	-	-	-	10	2	-
Barn Owl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Screech-Owl	-	1	-	-	-	1	-	5	-	-	-	-	7	-	-
Great Horned Owl	-	1	-	2	-	-	-	3	-	-	1	-	1	-	-
Northern Saw-whet Owl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barred Owl	2	-	1	-	-	-	-	-	-	-	-	-	3	1	-
Common Nighthawk	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Whip-poor-will	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-
Chimney Swift	33	59	4	-	2	127	2	35	2	5	160	14	135	13	-
Ruby-throated Hummingbird	3	11	1	6	1	1	4	21	6	7	2	1	11	1	-
Belted Kingfisher	3	2	2	1	3	1	15	20	3	2	4	5	12	7	1
Red-headed Woodpecker	-	4	-	-	-	-	-	3	-	-	-	-	-	-	-
Red-bellied Woodpecker	16	22	14	4	1	32	-	23	1	2	1	-	77	7	-
Yellow-bellied Sapsucker	-	-	-	-	-	-	-	15	8	-	1	6	-	4	-
Downy Woodpecker	9	26	8	3	2	24	10	44	15	10	3	14	42	8	-
Hairy Woodpecker	6	8	2	-	-	2	3	13	12	7	2	14	17	3	1
Northern Flicker	10	50	12	6	1	49	20	42	14	3	11	12	60	10	2
Pileated Woodpecker	2	3	-	-	2	-	2	16	1	1	3	8	20	4	-
Eastern Wood-Pewee	-	3	-	-	-	2	-	-	-	2	-	9	1	2	-
Acadian Flycatcher	-	2	1	-	-	-	-	-	-	-	-	-	12	-	-
Alder Flycatcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Willow Flycatcher	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Least Flycatcher	11	-	-	-	-	-	10	3	2	-	1	21	12	7	-
Eastern Phoebe	14	24	4	1	5	12	33	47	22	7	28	29	47	22	2
Great Crested Flycatcher	4	47	8	2	-	6	2	21	-	-	2	4	16	4	-
Eastern Kingbird	12	4	1	-	1	22	10	10	3	6	5	27	18	7	-
Loggerhead Shrike	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White-eyed Vireo	-	4	1	-	-	13	-	2	-	-	-	-	29	-	-
Blue-headed Vireo	4	6	2	1	-	4	16	27	6	-	2	7	11	2	-
Yellow-throated Vireo	11	-	1	-	-	1	-	3	-	-	2	1	9	4	-
Warbling Vireo	10	4	6	-	-	12	-	3	-	-	1	3	13	10	-
Philadelphia Vireo	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Red-eyed Vireo	10	44	28	5	4	55	9	60	3	1	6	12	87	3	3
Blue Jay	48	41	15	12	15	60	104	243	65	17	73	60	215	20	2
American Crow	51	118	35	8	14	189	177	448	89	47	86	298	229	77	3
Fish Crow	-	-	-	-	1	3	-	4	-	-	-	-	1	-	-
Common Raven	-	2	-	-	-	-	7	5	5	1	4	1	3	4	-
Horned Lark	1	-	-	-	-	-	3	-	-	-	2	-	-	1	-
Purple Martin	71	203	-	-	-	-	-	34	-	-	-	2	5	2	-

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	MERC	MIFF	MONT	NORT	PERR	PHIL	POTT	SCHU	SULL	TIOG	VENA	WAYN	WEST	WYOM	YORK
Tree Swallow	73	12	36	6	7	416	248	202	97	17	92	269	90	111	1
Northern Rough-winged Swallow	8	3	18	4	2	71	4	53	5	7	13	58	33	4	50
Bank Swallow	3	-	1	-	-	2	12	12	-	-	-	3	2	2	-
Cliff Swallow	2	9	-	-	-	-	87	12	2	8	15	12	10	-	-
Barn Swallow	58	414	17	-	-	120	106	319	144	87	26	173	178	71	-
Carolina Chickadee	-	-	25	-	-	71	-	-	-	-	-	-	13	-	-
Black-capped Chickadee	22	25	-	10	5	-	55	152	65	15	7	72	58	49	-
Tufted Titmouse	28	66	25	9	5	64	7	126	22	7	4	27	141	26	1
Red-breasted Nuthatch	1	2	-	-	-	-	2	9	8	3	1	3	5	-	-
White-breasted Nuthatch	7	34	1	3	-	7	7	34	10	7	6	17	33	4	-
Brown Creeper	-	1	-	-	-	-	5	8	1	1	-	4	4	7	-
Carolina Wren	5	15	6	1	1	23	-	14	-	-	1	2	43	3	-
House Wren	34	41	6	16	3	113	32	61	12	12	2	45	55	13	-
Winter Wren	-	-	-	-	-	-	3	-	1	-	-	3	4	-	-
Marsh Wren	2	-	-	-	-	8	-	-	-	1	-	-	-	-	-
Golden-crowned Kinglet	-	2	-	-	-	-	-	10	-	-	-	-	3	-	-
Ruby-crowned Kinglet	6	-	-	-	-	1	1	18	-	-	5	-	9	-	-
Blue-gray Gnatcatcher	2	18	19	5	22	37	9	84	3	1	11	4	75	12	-
Eastern Bluebird	30	36	4	5	5	7	9	65	19	8	9	34	84	11	-
Veery	3	1	-	2	-	13	-	32	-	-	3	10	1	24	-
Swainson's Thrush	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-
Hermit Thrush	1	2	-	-	-	3	10	16	6	1	1	8	1	4	-
Wood Thrush	52	39	41	17	2	80	25	161	8	3	9	5	169	39	6
American Robin	91	346	90	37	4	452	346	656	265	35	84	183	664	208	9
Gray Catbird	28	17	14	25	10	249	12	219	14	6	16	79	129	45	6
Northern Mockingbird	1	10	5	-	-	24	-	13	1	-	1	1	21	-	3
Brown Thrasher	12	3	-	2	2	16	3	6	3	1	1	6	14	3	-
European Starling	120	191	96	8	2	366	220	801	67	45	82	157	525	65	-
American Pipit	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Waxwing	-	-	-	-	-	-	-	3	-	5	5	10	15	3	7
Blue-winged Warbler	31	3	5	1	6	4	1	27	1	-	12	1	47	3	1
Golden-winged Warbler	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-
Tennessee Warbler	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange-crowned Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nashville Warbler	16	-	-	-	1	-	-	3	-	-	2	-	11	-	-
Northern Parula	-	-	7	1	-	19	-	103	-	-	2	1	7	-	-
Yellow Warbler	69	21	11	4	4	106	19	40	10	1	28	86	161	72	12
Chestnut-sided Warbler	8	12	2	5	1	2	10	19	8	-	17	9	19	14	-
Magnolia Warbler	1	1	-	-	-	1	2	3	1	-	2	9	12	1	-
Cape May Warbler	-	-	-	-	-	-	-	3	-	-	1	2	2	-	-
Black-throated Blue Warbler	4	3	7	-	1	22	1	15	2	-	2	4	11	1	1
Myrtle Warbler	53	8	40	26	22	108	14	221	8	-	5	13	45	6	7
Black-throated Green Warbler	5	4	7	-	-	10	50	141	10	-	8	24	35	15	-
Blackburnian Warbler	-	4	-	-	-	-	28	16	3	-	3	2	5	2	-
Yellow-throated Warbler	-	-	-	-	-	-	-	14	-	-	3	-	5	-	-
Pine Warbler	-	-	-	-	-	-	-	14	-	-	-	2	3	3	-
Prairie Warbler	-	2	2	-	3	8	3	34	2	-	2	1	8	2	-
Palm Warbler	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-
Bay-breasted Warbler	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-
Blackpoll Warbler	-	-	-	-	-	15	-	-	-	-	-	2	1	-	-
Cerulean Warbler	-	3	-	-	-	-	-	1	-	-	16	1	29	-	-
Black-and-white Warbler	4	10	5	8	-	33	5	86	12	1	3	-	19	8	-
American Redstart	16	5	-	2	-	30	8	30	10	1	6	28	102	64	4
Prothonotary Warbler	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Worm-eating Warbler	-	20	3	5	-	-	-	34	-	-	-	1	-	1	-
Swainson's Warbler	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Ovenbird	15	51	13	17	2	22	93	356	32	2	22	75	91	97	6
Northern Waterthrush	-	2	1	2	-	20	-	5	-	-	-	-	4	5	-

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	MERC	MIFF	MONT	NORT	PERR	PHIL	POTT	SCHU	SULL	TIOG	VENA	WAYN	WEST	WYOM	YORK
Louisiana Waterthrush	1	-	5	-	-	4	-	5	1	-	5	-	21	-	-
Kentucky Warbler	1	-	3	-	-	2	-	1	-	-	-	-	16	5	-
Connecticut Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mourning Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Yellowthroat	88	29	12	13	17	103	39	251	30	10	22	43	216	65	6
Hooded Warbler	10	-	-	-	-	-	-	28	-	-	9	-	32	-	-
Canada Warbler	-	-	-	-	-	-	-	1	-	-	-	2	1	2	-
Wilson's Warbler	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-
Yellow-breasted Chat	1	5	-	-	-	-	-	-	-	-	-	-	25	-	-
Summer Tanager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Tanager	16	39	20	5	2	7	10	61	1	2	10	18	69	11	1
Eastern Towhee	39	30	20	9	10	39	35	189	15	1	31	41	212	8	1
Chipping Sparrow	47	105	7	2	1	12	96	248	69	19	54	135	243	121	2
Field Sparrow	41	18	8	8	13	1	8	107	22	-	5	21	99	11	-
Vesper Sparrow	-	-	-	-	-	-	3	-	-	-	-	-	1	1	-
Savannah Sparrow	24	2	-	-	-	2	22	2	4	-	11	-	25	6	-
Grasshopper Sparrow	1	6	-	-	-	-	-	-	1	-	3	-	16	3	-
Henslow's Sparrow	7	-	-	-	-	-	-	-	-	-	12	-	-	3	-
Fox Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Song Sparrow	62	130	25	7	9	112	99	130	23	11	20	102	235	113	4
Lincoln's Sparrow	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Swamp Sparrow	19	-	-	2	-	25	23	2	4	30	6	6	4	4	-
White-throated Sparrow	29	4	13	3	4	47	2	23	16	2	1	3	22	-	-
White-crowned Sparrow	1	1	-	-	-	1	-	3	1	-	2	-	20	1	-
Slate-colored Junco	-	6	-	-	-	-	22	12	56	15	3	25	11	7	-
Northern Cardinal	50	55	37	18	9	102	19	167	23	9	17	47	255	66	11
Rose-breasted Grosbeak	40	26	4	7	-	5	45	43	30	7	12	13	107	15	-
Blue Grosbeak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indigo Bunting	7	27	3	2	6	4	8	51	7	6	8	9	89	11	-
Bobolink	17	5	-	-	-	18	98	24	17	17	40	35	58	36	-
Red-winged Blackbird	210	142	9	1	2	416	638	514	132	127	127	487	501	223	15
Eastern Meadowlark	18	18	-	-	-	25	29	13	7	13	33	6	71	8	-
Yellow-headed Blackbird	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Rusty Blackbird	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-
Common Grackle	117	302	32	4	5	111	144	426	67	63	81	56	423	100	1
Brown-headed Cowbird	41	41	28	12	3	47	69	163	36	17	10	33	124	26	2
Orchard Oriole	8	-	4	2	-	10	-	1	-	-	-	-	26	-	-
Baltimore Oriole	42	76	37	16	8	94	16	145	10	2	17	59	134	37	-
Purple Finch	8	3	-	-	-	-	13	32	26	14	3	11	10	1	1
House Finch	16	76	34	6	-	83	4	85	6	2	11	16	148	13	1
Red Crossbill	-	-	-	-	-	-	-	1	-	-	-	-	8	-	-
White-winged Crossbill	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
Common Redpoll	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pine Siskin	-	2	-	-	-	-	4	12	2	-	4	-	1	7	-
American Goldfinch	40	198	61	17	19	95	166	312	39	19	16	46	231	112	5
Evening Grosbeak	-	-	-	-	-	-	5	8	12	-	-	-	2	-	-
House Sparrow	22	562	19	-	-	73	34	237	22	22	38	6	326	27	-
TOTAL SPECIES	126	111	87	68	59	120	105	153	103	80	123	110	153	117	48
TOTAL INDIVIDUALS	2914	4436	1254	451	307	7302	3995	10798	2085	1080	2052	3623	8867	2836	216
temperature (Fahrenheit)	50-69	58-70	-	58-60	55-60	44-58	52-66	60-70	54-62	-	55-60	57-61	58-70	57-65	50-60
wind direction	NW	-	-	E	-	NE	-	N	NE	-	-	-	N	-	-
wind speed (mph)	0-10	0	-	-	5	9-25	1-3	-	5-15	-	0-3	variable	5-9	8	0
per cent cloud cover	50	15-50	100	100	100	100	80-100	50-100	90-100	-	60-100	100	40-100	100	90-100
precipitation type	none	none	rain	rain	drizzle	rain	rain	rain	drizzle	-	trace	rain	light	rain	-
Party Hours (Foot/Car)	18/15	12/19	11/2	9/0	5/0	22/7	29/23	59/26	33/20	-	5/15	3/25	78/44	17/14	2/3
Party Miles (Foot/Car)	19/105	12/243	12/11	5/0	3/0	12/152	10/227	-	20/245	-	7/153	3/15	68/434	14/164	2/20
Observers (Parties/Number)	4/10	10/23	4/6	3/7	1/3	3/4	9/15	23/36	16/26	--/12	2/4	7/9	13/56	5/5	1/2

	Totals	Number of Counts	High	High Count
Hairy Woodpecker	235	38	17	WEST
Northern Flicker	1106	43	90	INDI
Pileated Woodpecker	244	36	30	INDI
Eastern Wood-Pewee	60	22	9	WAYN
Acadian Flycatcher	56	16	12	WEST
Alder Flycatcher	2	1	2	BUTL
Willow Flycatcher	6	4	2	8
Least Flycatcher	236	22	53	CAME
Eastern Phoebe	1135	43	101	INDI
Great Crested Flycatcher	436	38	51	FRAN
Eastern Kingbird	547	39	82	FRAN
Loggerhead Shrike	5	2	3	ADAM
White-eyed Vireo	177	20	29	WEST
Blue-headed Vireo	256	31	39	INDI
Yellow-throated Vireo	141	27	18	BUTL
Warbling Vireo	228	31	20	LACK
Philadelphia Vireo	5	4	2	BUCK
Red-eyed Vireo	1351	43	121	FRAN
Blue Jay	4289	43	544	INDI
American Crow	6748	43	715	INDI
Fish Crow	194	18	85	LANC
Common Raven	80	25	9	CENT
Horned Lark	198	19	53	LAWR
Purple Martin	967	22	203	MIFF
Tree Swallow	6427	43	657	CHES
Northern Rough-winged Swallow	1165	41	169	BUCK
Bank Swallow	1221	28	419	LANC
Cliff Swallow	683	26	127	BUCK
Barn Swallow	6114	39	452	FRAN
Carolina Chickadee	559	15	93	CHES
Black-capped Chickadee	1640	37	200	INDI
Tufted Titmouse	2307	43	181	FRAN
Red-breasted Nuthatch	82	24	9	9
White-breasted Nuthatch	679	41	75	INDI
Brown Creeper	73	20	8	SCHU
Carolina Wren	498	36	43	WEST
House Wren	1542	41	125	FRAN
Winter Wren	27	10	5	CAME
Marsh Wren	26	6	12	CRAW
Golden-crowned Kinglet	42	13	10	SCHU
Ruby-crowned Kinglet	121	29	18	SCHU
Blue-gray Gnatcatcher	1007	39	84	SCHU
Eastern Bluebird	1457	42	181	FRAN
Veery	238	30	32	SCHU
Swainson's Thrush	11	9	2	10
Hermit Thrush	176	25	48	CAME
Wood Thrush	2856	43	302	INDI
American Robin	12994	43	1534	INDI
Gray Catbird	3816	43	340	CHES
Northern Mockingbird	492	32	94	FRAN
Brown Thrasher	324	37	59	FRAN
European Starling	12490	42	1283	FRAN
American Pipit	111	7	35	FRAN
Cedar Waxwing	571	27	89	LANC
Blue-winged Warbler	493	37	67	GREE
Golden-winged Warbler	42	13	15	LYCO
Tennessee Warbler	20	5	7	MERC

	Totals	Number of Counts	High	High Count
Orange-crowned Warbler	2	2	1	11
Nashville Warbler	128	22	27	BUTL
Northern Parula	287	26	103	SCHU
Yellow Warbler	2286	42	220	INDI
Chestnut-sided Warbler	336	33	34	CENT
Magnolia Warbler	100	27	12	WEST
Cape May Warbler	19	10	4	CUMB
Black-throated Blue Warbler	354	35	43	CAME
Myrtle Warbler	2457	38	586	LANC
Black-throated Green Warbler	1135	39	189	INDI
Blackburnian Warbler	209	26	57	CAME
Yellow-throated Warbler	44	13	9	GREE
Pine Warbler	55	13	14	SCHU
Prairie Warbler	308	31	47	INDI
Palm Warbler	34	13	7	LANC
Bay-breasted Warbler	25	11	10	BUTL
Blackpoll Warbler	24	9	15	PHIL
Cerulean Warbler	151	24	29	WEST
Black-and-white Warbler	715	39	86	SCHU
American Redstart	1129	40	126	CAME
Prothonotary Warbler	9	6	2	12
Worm-eating Warbler	278	28	34	SCHU
Swainson's Warbler	2	2	1	13
Ovenbird	3478	43	359	INDI
Northern Waterthrush	74	20	20	PHIL
Louisiana Waterthrush	198	30	21	WEST
Kentucky Warbler	84	20	16	WEST
Connecticut Warbler	1	1	1	ALLE
Mourning Warbler	2	2	1	14
Common Yellowthroat	3836	42	554	INDI
Hooded Warbler	284	23	55	INDI
Canada Warbler	21	7	8	CENT
Wilson's Warbler	4	3	2	WAYN
Yellow-breasted Chat	92	15	25	WEST
Summer Tanager	6	1	6	ADAM
Scarlet Tanager	1022	42	85	INDI
Eastern Towhee	3097	43	486	INDI
Chipping Sparrow	3821	43	465	INDI
Field Sparrow	1656	41	304	INDI
Vesper Sparrow	47	18	9	CENT
Savannah Sparrow	372	30	109	BUTL
Grasshopper Sparrow	237	25	46	FRAN
Henslow's Sparrow	121	10	45	BUTL
Fox Sparrow	1	1	1	BLAI
Song Sparrow	3920	43	235	WEST
Lincoln's Sparrow	5	4	2	WEST
Swamp Sparrow	298	31	30	TIOG
White-throated Sparrow	701	37	88	INDI
White-crowned Sparrow	164	26	52	FRAN
Slate-colored Junco	293	22	56	SULL
Northern Cardinal	3825	43	341	INDI
Rose-breasted Grosbeak	981	40	108	INDI
Blue Grosbeak	5	2	3	LANC
Indigo Bunting	983	40	130	INDI
Bobolink	1221	43	146	LACK
Red-winged Blackbird	11516	34	1283	INDI
Eastern Meadowlark	902	39	115	INDI

	Totals	Number of Counts	High	High Count
Yellow-headed Blackbird	2	2	1	15
Rusty Blackbird	12	5	4	BEAV
Common Grackle	10706	43	1167	FRAN
Brown-headed Cowbird	2598	42	198	INDI
Orchard Oriole	184	26	26	WEST
Baltimore Oriole	2347	42	134	WEST
Purple Finch	308	32	32	SCHU
House Finch	2223	42	255	FRAN
Red Crossbill	20	4	8	WEST
White-winged Crossbill	50	3	37	JUNI
Common Redpoll	14	1	14	HUNT
Pine Siskin	137	21	20	16
American Goldfinch	4750	43	329	INDI
Evening Grosbeak	84	13	15	17
House Sparrow	4440	40	562	MIFF
TOTAL SPECIES	237	43	166	FRAN
TOTAL INDIVIDUALS	202835	43	15820	INDI

Codes for Multiple Counts in High Column

- 1 = Lancaster, Philadelphia
- 2 = Cumberland, Lehigh
- 3 = Cumberland, Schuylkill
- 4 = Berks, Lawrence
- 5 = Crawford, Lawrence, Schuylkill
- 6 = Dauphin, Lancaster
- 7 = Franklin, Westmoreland
- 8 = Butler, Clarion
- 9 = Indiana, Schuylkill
- 10 = Allegheny, Franklin
- 11 = Huntingdon, Indiana
- 12 = Cumberland, Lancaster, Wayne
- 13 = Dauphin, Westmoreland
- 14 = Butler, Cameron
- 15 = Lancaster, Potter
- 16 = Centre, Clarion
- 17 = Butler, Huntingdon