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Cover: Great Horned Owl at Elliott Island Road. Night photo by Luther Goldman using strobe light.



FIRST MARYLAND PIEDMONT RECORD FOR SUCCESSFUL NESTING OF DOUBLE-CRESTED CORMORANT

BILL AND SUE WENDELL

On Monday, April 27, 1998, at the suggestion of bird watchers viewing the Great Horned Owl's nest near where Seneca Creek enters the Potomac River in Montgomery County, we went to observe the Great Blue Heron rookery on Watkins Island in the Potomac River between Swain's Lock and Pennyfield Lock. The rookery can be viewed easily from the C&O towpath at milepost 18.3 (a stick with a red ribbon having 18.3 printed on one side) and is best reached going approximately one mile southeast from Pennyfield Lock on the C&O towpath. An 8 to 10 a.m. viewing is encouraged to benefit from proper lighting. A telescope, although not essential, is of definite value since the nesting site is approximately 1,000 feet across the Potomac River from the viewing area.



Figure 1. View across the Potomac River showing the major portion of the Great Blue Heron colony on Watkins Island (Nikon Series E Zoom 75-150 mm lens at 75 mm, FUJI 400 film).



Figure 2. Sycamore tree on east side of rookery containing Double-crested Cormorant nest, the nest at the extreme left (same lens and film as in Figure 1).

Using a 40-power telescope, we counted at least 30 nests with either adult or young Great Blue Herons on every nest. The nests (Fig. 1) are concentrated in the upper branches of two large sycamore trees, at a height of approximately 60 feet above ground, directly across from the viewing area, with a few nests in a tree slightly removed to the right. When feeding was in progress, no fewer than two young were observed in the nests. The young were approximately half the size of the adults.

While scanning the nests, we observed that the left-hand sycamore tree (Fig. 2) had a smaller nest at the far left side, which was that of a Double-crested Cormorant (*Phalacrocorax auritus*). It was about 55 feet above ground and contained two adult cormorants that were actively engaged in nest building, i.e., working small sticks into the nest. We viewed these birds for about an hour and then hurried home to read more about these nests in the *Atlas of the Breeding Birds of Maryland and the District of Columbia*. Finding that neither the Great Blue Heron nor the Double-crested Cormorant nests were reflected in the *Atlas*, we contacted Chan Robbins at the Patuxent Wildlife Research Center to find out whether these nests had been reported since the issuance of the *Breeding Bird Atlas*. He indicated that they had not and informed us that, while the Great Blue Heron rookery would be a first for Montgomery County, the Double-crested Cormorant nest would be a first for the Maryland Piedmont and requested that additional information and photographs be obtained. The following summarizes our findings regarding Great Blue Heron and Double-crested Cormorant nest sites in Montgomery County.

Great Blue Heron Nests

We checked with many people who participated in bird counts of this area of the C&O towpath and concluded that the Great Blue Heron rookery on Watkins Island is two or three years old. During subsequent visits on May 18, June 1, and June 25, we viewed adults and

young on these nests in various stages of development. Adult birds were observed both in the C&O canal and on the Potomac River, obtaining food and returning to the nests to feed the young. In the process of our research, we were informed that there was an additional Great Blue Heron rookery on an island in Whetstone Lake in Montgomery Village, Maryland.

On Thursday, April 29, we visited that rookery and were pleased with excellent views of 12 nests. All 12 had young, with three the maximum number we observed. The nests were approximately 35 feet above ground and were located in what appeared to be dying conifers. The rookery is close enough to the Whetstone Lake shoreline to easily view the herons with binoculars. The rookery can be reached by traveling north on Route I-270 to Montgomery Village Avenue in Gaithersburg, then going east on Montgomery Village Avenue for about a mile to the entrance to the townhouses just prior to viewing Whetstone Lake, and finally by taking a right and then an immediate left down to the small park at the lake. The island is directly in front of the boat rental dock. We apologize for having no information as to when this rookery was established.

Subsequent Visits

On Monday, May 18, we returned to the viewing area south of Pennyfield Lock to view the Double-crested Cormorant nest. An adult bird was sitting on the nest in a manner suggesting that it was on eggs. During the one hour we viewed the nest, the adult rose at least three times and made motions similar to that of turning eggs.

On Monday, June 1, we returned to the viewing area with camera equipment in hopes of capturing a photograph of young on the nest. Although we saw no young, we obtained pictures of both adults on the nest (Fig. 3) and observed the standing adult providing food to the adult



Figure 3. Adult Double-crested Cormorants on nest (Tamron SP 500 mm lens with Nikon TC-200 2X teleconverter, FUJI 400 film).

sitting on the nest. During our one mile hike to the viewing area, we saw a family of Double-crested Cormorants on a rock in the Potomac River approximately 100 yards from our vantage point on the C&O towpath. The family consisted of two adult and three immature birds. On our return hike to our car, the three immature birds were still situated on the rock but the adults



Figure 4. Adult Double-crested Cormorant with two young on nest (same lens and film as in Figure 3).

were not seen in the immediate vicinity. This would suggest that other Double-crested Cormorant nesting may be present in this area of the Potomac River and that persons birding this area should make an effort to locate other possible nesting sites.

On Thursday, June 25, we again returned to the viewing site and were able to photograph an adult with two fully grown young on the nest (Fig. 4). The young were constantly exercising their wings on the edge of the nest, and were obviously ready to leave.

A MID-APRIL POTOMAC RIVER WALK

STAUFFER MILLER

On a recent visit to Frederick County, Maryland, I decided to do a walk along one of my favorite stretches of the Potomac River in this county, a portion between Brunswick and Knoxville. The bank of the river in this section tends to be relatively free of underbrush and flood debris, thereby permitting rather easy Riverside walking. The date was April 17, 1996.

As I approached the Potomac that morning and started walking to the west, I immediately saw numerous small squadrons of Purple Martins (*Progne subis*) flying upstream. Intermixed were Tree (*Tachycineta bicolor*), Barn (*Hirundo rustica*), and Northern Rough-winged (*Stelgidopteryx serripennis*) Swallows. This was the most migrating martins I had ever seen.

Shortly, a much larger bird with white head and tail swooped over the water — Bald Eagle (*Haliaeetus leucocephalus*)! These great birds are a decided rarity in Frederick County and always a treat to see. As if trying not to be outdone in riparian splendor, an Osprey (*Pandion haliaetus*) screeched and circled overhead. Double-crested Cormorants (*Phalacrocorax auritus*) lazed on mid-stream rocks.

Sensing that I might be on sort of a roll, I eagerly pushed on. Next was a Horned Grebe (*Podiceps auritus*) in lustrous breeding plumage, only ten feet out from the bank. Following this show, I noticed white birds with dark hoods bobbing in some mid-stream riffles. These were Bonaparte's Gulls (*Larus philadelphia*), again a relatively uncommon Frederick County bird. While scoping them, what should pop to the surface but a Common Loon (*Gavia immer*), my first for the county away from reservoirs.

But not all activity was on and over the water. In the nearby treetops, a squeaky song caught my ear — Yellow-throated Warbler (*Dendroica dominica*). Then in a low scrub, a Palm Warbler (*D. palmarum*) darted about. Last, a high-pitched song that I first mistook for that of a warbler turned into that of a Brown Creeper (*Certhia americana*).

I have walked Frederick County's portion of the Potomac River bank many times, but never have I seen such massed and such rapid-fire and exciting avian activity along it as on that particular April morning.

Yes, the Potomac can indeed have its special days.

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BREEDING SEASON, JUNE 1 - JULY 31, 1997

DANIEL R. SOUTHWORTH

Following a rather damp and cool spring, temperatures in June were a little below average, warming to about average in July. The summer was very dry, however, especially on the Eastern Shore.

Observers: Henry Armistead, Tyler Bell, Bob Boxwell, Danny Bystrak, Martha Chestem, Dennis Coskren, Patty Craig, Marty Cribb, Lynn Davidson, Harold Dunlop, Sam Dyke, Ward Ebert, Ethel Engle (reporting for Caroline County), Jane Farrell, Marshall Iliff, Kye Jenkins, Jane Kostenko, Doug Lister, Doug Odermatt, Danny Poet, Elizabeth Pitney (reporting for the Wicomico Bird Club), Kyle Rambo, Jan Reese, Sue Ricciardi, Bob Ringler, Sue Schneider, Stephen Simon, Susan Sires, Connie Skipper, Jo Solem (reporting for Howard County), Paul Spitzer, Laura Sprague, Chuck Stirrat, Eva Sunell, John Taylor, Dave Webb, David Weesner, Hal Wierenga.

Abbreviations: DC — District of Columbia, NWR — National Wildlife Refuge, PRNAS — Patuxent River Naval Air Station, PWRC — Patuxent Wildlife Research Center, SF — State Forest, SP — State Park, WMA — Wildlife Management Area.

Locations: Place names (with counties in parentheses) not in the index of the State highway map: Adam Island (Dorchester), Assateague Island (Worcester), Barren Island (Dorchester), Blackwater NWR (Dorchester), Cornfield Harbor (St. Mary's), E. A. Vaughn WMA (Worcester), Hart-Miller Island (Baltimore), Holland Island (Dorchester), Jug Bay Wetlands Sanctuary (Anne Arundel), Lake Elkhorn (Howard), Lake Kittamaquidi (Howard), Kings Creek Preserve (Talbot), Loch Raven (Baltimore), Pone Island (Dorchester), Poplar Island (Talbot), PRNAS (St. Mary's), PWRC (Prince George's), PWRC/North (Anne Arundel), Rock Lodge Trust (Garrett), Spring Island (Dorchester), Tar Bay (Dorchester), Tydings Island (Harford), Vantage Point (Howard).

Loons, Grebes, Shearwaters, Storm-Petrels. A **Common Loon** was found inland at Loch Raven on June 4 (Simon), 4 were at Bellevue on June 8, where a rather high mid-summer count of 6 was made on July 26 (H. & Gordon Armistead). Another Common Loon was near North Beach on July 19 (Bystrak). Chris Swarth reported a **Pied-billed Grebe** at Jug Bay on June 26. Marshall Iliff reported the first Pied-billed Grebe nesting record for Talbot County with 2 adults and 3 juveniles at Easton Sewage Plant on July 4. Two adults were at E. A. Vaughn WMA on June 3 and July 19, but apparently they did not nest this year (Dyke). A June 8 pelagic trip out of Ocean City recorded a **Cory's Shearwater**, 4 **Manx Shearwaters**, and some **Sooty Shearwaters** and **Greater Shearwaters**, along with some **Wilson's Storm-Pe-**

trels (Brian Patteson). A fishing trip out of Ocean City on July 10 produced 4 Cory's Shearwaters, 7 Greater Shearwaters, 1 **Audubon's Shearwater**, and 50 Wilson's Storm-Petrels (Ed Boyd). Marty Cribb spotted 7 Wilson's Storm-Petrels over the Chesapeake Bay in Somerset County on July 23.

Gannets, Pelicans, Cormorants. Eighteen **Northern Gannets** were seen off Assateague on June 4, and 12 were notched there on June 8 (Dyke). Armistead and Spitzer totaled up wonderful numbers of **Brown Pelicans** in the Bloodsworth area, 80 birds, including 42 at nearby Spring Island alone on July 5. Twenty-two Brown Pelicans were checked off at Point Lookout SP on June 5 (Schneider), and an immature was spotted at Barren Island on June 12 (Armistead, Taylor). Pt. Lookout SP hosted 11 **Double-crested Cormorants** on June 23 (Craig), and Armistead and Spitzer checked off 235 in the greater Bloodsworth Island area on July 5. Paul Pisano watched two Double-cresteds building a nest in Montgomery County along the Potomac River on June 13. Singles were in Howard County at Wilde Lake on June 20 (Odermatt), and at Lake Kittamaquidi on June 21 (Chestem).

Herons, Ibises. Jan Reese found an **American Bittern** and 2 **Least Bitterns** at Kings Creek Preserve on July 26. A **Great Blue Heron** was at Mt. Nebo WMA, near Oakland on June 22 (Skipper). Armistead and Spitzer found 90 Great Blue nests on Bloodsworth Island and 10 nests on Adam Island on July 5. Martha Chestem monitored the three-nest Great Blue heronry at Vantage Point, a beaver-created wetland area at the west end of Lake Kittamaquidi, and reported 9 young fledged on June 20. Chestem also reported a **Great Egret** at Vantage Point on July 12. Other Great Egrets included 18 at Centennial for a new Howard County high on July 19 (Norma & Ray Peterson), 50 at Blackwater on July 19 (Armistead), 24 at Loch Raven on July 29 (Simon+), and a flock of 5 flying over eastern Columbia on July 31 (Ebert). Harry Armistead checked off 40 **Snowy Egrets** at Blackwater on July 19, and a **Little Blue Heron** was at Vantage Point on July 30 (Chestem). Sue Schneider reported a **Tricolored Heron** at Pt. Lookout SP on June 19, and Patty Craig counted 31 **Cattle Egrets** at Ridge on June 30. Eighteen **Green Herons** were at Pt. Lookout on July 29 (Cribb, Kostenko, Bell). A **Black-crowned Night-Heron** was seen at PWRC/North from May 19 through June 30 (Bystrak), and it looked like there were perhaps 3 breeding pairs on Bloodsworth Island on July 5 (Armistead, Spitzer). Two adult Black-crowned were at Pt. Lookout on July 29 (Cribb, Kostenko, Bell). Bloodsworth Island also hosted a **Yellow-crowned Night-Heron** on July 5 (Armistead, Spitzer), and 2 juveniles were near Monocacy Bottom Road, Frederick County on July 31 (Jim Green). Eight **Glossy Ibis** were at Blackwater on July 19 (Armistead).

It is interesting to note that Harry Armistead reported that for about the fourth straight year, Holland Island had "a clean sweep" of Maryland's breeding herons. Estimated pairs by Harry and Paul Spitzer on July 5 were as follows: Great Blue Heron 20, Little Blue Heron 20, Black-crowned Night-Heron 10, Yellow-crowned Night-Heron 6, Great Egret 25, Tricolored Heron 3, Glossy Ibis 1, Snowy Egret 15, Green Heron 1, and Cattle Egret 3. Unfortunately, this island is eroding at an ever faster rate.

Turkey Vultures, Waterfowl. Two juvenile **Turkey Vultures** were found by Connie Skipper's son and his friend near Forster Road, Garrett County on July 19. **Canada Geese** included 38 young at Centennial on June 4 (Farrell, Coskren), and a total count of 875 at Blackwater on July 19 (Armistead). **Mute Swans** included 21 at Scotland on June 2 (Craig, Boxwell), 2 adults with 6 young at Kent Narrows on June 7 (Poet), and 89 at Bloodsworth Island on July 5 and 55 in the Barren Island-Tar Bay area on June 12 (Armistead+). A young Mute Swan was noted at Centennial on July 19 (Farrell). Armistead and Taylor found a **Tundra Swan** at Tar

Bay on June 12 and Dave Webb found an **American Wigeon** at Tydings Island on July 23. Armistead and Taylor reported 12 **American Black Ducks** at Barren Island on June 12. **Mal-lards** included 150 at Golden Hill, Dorchester County on June 8, and nests with 7 and 10 eggs at Barren Island on June 12 (Armistead, Taylor). A **Green-winged Teal** was found near North Beach on July 19 (Bystrak). Farrell and Coskren discovered a female **Canvasback** at Centennial on June 4 and again on July 12, and also reported an interesting sighting of a pair of **Ring-necked Ducks** at Centennial on June 4. Farrell saw a solo female Ring-necked there on July 12. On June 16, three **Lesser Scaup** were located at Oxford (Reese). Patty Craig and party spotted a **Surf Scoter** at Pt. Lookout on June 30, and an injured, adult male Surf Scoter was at Bellevue on July 27 (Armistead+). An **Oldsquaw** was seen near North Beach on June 24 (Bystrak), and a male **Red-breasted Merganser** was at Pt. Lookout on June 13 (Craig). An injured female **Ruddy Duck** was at Gateway Marina, Talbot County on June 8 (Armistead).

Ospreys, Eagles, Hawks, Falcons. **Ospreys** included 1 at Wilde Lake on June 20 (Odermatt), and 23 pairs nesting on Bloodsworth Island on July 5 (Armistead, Spitzer). It was another good year for breeding **Bald Eagles** in Maryland, with a new record of 219 nesting pairs from 18 counties (Maryland DNR). An adult and 2 immature Bald Eagles were noted at Barren Island on June 12 (Armistead, Taylor). There were a few interesting reports of **Cooper's Hawks** this season. Two adults and an immature were sitting in an oak tree at Lothian on July 10 (Susse Wright), and while a nest was not located, Reese observed a very agitated Cooper's at McGinnes on August 1. Patty Craig reported an immature Cooper's at Dameron on July 24, and an adult **Broad-winged Hawk** there on June 22. Armistead and Spitzer observed a female **American Kestrel** in unusual habitat at Bishop's Head Hunting Lodge, Dorchester County on July 5, and checked off an adult **Peregrine Falcon** at Adam Island the same day.

Turkeys, Bobwhites, Rails. Jay Sheppard discovered a roost of about 10 to 12 **Wild Turkeys** near Jennings Chapel Road in Howard County on June 28, and Connie Skipper had a nice count of 5 adult and 20 juvenile Wild Turkeys near Oakland on July 13. Two toms were found at Prettyboy Reservoir in Baltimore County on July 24 (Carroll Hetrick). The only Howard County report of **Northern Bobwhite** was of 2 at Schooley Mill Park on June 1 (Ebert). Only 2 or 3 **Black Rails** were heard at Elliott Island on June 27, and one was seen on June 28 (Davidson, Wierenga). The only other Black Rail report was of one at Kings Creek Preserve, Talbot County on July 26 (Reese+). Four **Clapper Rails** were found at Barren Island on June 12, and 2 at Holland Island on July 5 (Armistead+). Two **King Rails** were at Elliott Island on June 7, where several **Virginia Rails** were heard the same night (Davidson, Wierenga). A King Rail and 3 Virginia Rails were also reported at Kings Creek Preserve on July 26 (Reese). A **Common Moorhen** was at Decoursey Bridge over the Transquaking River, Dorchester County on June 28 (Davidson, Wierenga), and 2 were at Elliott Island on July 19 (Armistead). Moorhens were also discovered breeding at Easton Sewage Plant with an adult and 2 young on July 4 (Iliff). An **American Coot** was visiting Centennial on June 1 (Farrell, Coskren).

Plovers, Stilts, Avocets, Tringine and Upland Sandpipers. Two northbound **Semipalmated Plovers** were at Blackwater on June 12 (Armistead, Taylor). Steve Simon checked off 42 **Killdeer** at Loch Raven on July 20, and Davidson and Wierenga listed 2 **Black-necked Stilts** at Elliott Island on June 28. A juvenile **American Avocet** was reported in Gaithersburg on July 31 (Mike Welch). Two **Greater Yellowlegs** were at Blackwater on June 8 and one was there on June 12 (Armistead, Taylor). There were 28 **Lesser Yellowlegs** inland at Loch Raven on July 26 (Simon, Jenkins, Dunlop). Martha Chestem found 2 **Solitary Sandpipers** at Lake Kittamaquundi on July 10, and a flock of 9 **Willetts** were flying over Holland Island on July 5 (Armistead, Spitzer). A Willet nest with 3 eggs was found on Barren Island on June 12

(Armistead, Taylor). Farrell and Coskren reported 2 **Spotted Sandpipers** at Centennial on June 4, and one at Font Hill Park in Howard County on June 21. Eight **Upland Sandpipers** were notched at PRNAS on July 8 (Rambo), and 12 were there on July 17 (Lister+).

Ruddy Turnstone, Calidris Sandpipers, Dowitchers. A **Ruddy Turnstone** was at Pt. Lookout on June 7 (Craig), and on June 12, Armistead and Taylor found a Ruddy and 5 **Semipalmated Sandpipers** at Barren Island, and 6 **Sanderlings** at Tar Bay. They also checked off 12 Semipalmated Sandpipers at Blackwater on June 12. Another semipalm was at Pt. Lookout on June 5 (Schneider), and Simon and Jenkins had a nice count of 210 southbound Semipalmated Sandpipers at Loch Raven on July 31. Ten Sanderlings were at PRNAS on July 29 (Lister, Sprague). Dave Weesner located 2 **Western Sandpipers** at Harney Road Pond near Emmitsburg on July 21. A migrant **Least Sandpiper** was seen at Jug Bay on June 1 (Bystrak), 1 was at Scotland on June 30 (Craig, Cribb), another was at Loch Raven on July 6 (Simon), 4 were at Fulton on July 20 (Farrell, Coskren), and 18 were at Scotland the same day (Cribb, Schneider). A **Dunlin** was discovered at PRNAS on July 17 (Rambo), and a **Ruff** was reported at Loch Raven on July 27-29 (Taylor McLean, Simon, Debbie Terry+). There were 38 **Short-billed Dowitchers** at Cecilton on July 14 (Gary Griffith, Rose Taylor, Charles Gunther), and one was near North Beach on July 19 (Bystrak).

Gulls. Armistead and party counted 435 **Laughing Gulls** at Golden Hill on June 8, and at least 12 breeding pairs on Spring Island on July 5. At Barren Island, Armistead and Taylor found 17 Laughing Gull nests with a total of about 18 eggs. Four hundred Laughing Gulls were at PRNAS on July 16 (Rambo). **Ring-billed Gulls** included 10 immatures at Centennial on June 1 and an adult there on June 27 (Farrell, Coskren), an adult at Golden Hill on June 8 and another at Bellevue on July 4 (Armistead+), and 18 at Oxford on June 16 (Reese). Armistead, Spitzer, and Taylor surveyed **Herring Gulls**, finding at least 190 pairs at Tar Bay on June 12, where 22 nests were found with about 50 eggs, and at least 250 breeding pairs at Spring Island on July 5, where about 26 nests were found containing at least 38 eggs. They also found around 5 pairs of breeding **Great Black-backed Gulls** at Spring Island on July 5.

Hart-Miller Island hosted an **Iceland Gull** on June 8, 2115 Ring-billed Gulls and 13 **Lesser Black-backed Gulls** on June 14, and 2078 Herring Gulls and 685 Great Black-backed Gulls on June 21 (Gene Scarpulla).

Terns, Skimmers. Two adult **Gull-billed Terns** were reported flying over Poplar Island on July 4 (Iliff). Two **Caspian Terns** were spotted at Jug Bay on July 12 (Bystrak), and 231 **Royal Terns** were banded at Ocean City on July 8 (John Weske). Two **Sandwich Tern** nests were found this season at Ocean City, but apparently the young were short-lived (Dave Brinker). It is sad to note that for the first time in years, Harry Armistead found no *Sterna* tern nests in Dorchester County. Kyle Rambo tallied 150 **Forster's Terns** at PRNAS on July 23, and 102 **Least Terns** there on July 14. A **Black Tern** was also at PRNAS on July 29 (Lister, Sprague). Danny Bystrak noted a **Black Skimmer** at North Beach on June 4, and another was at PRNAS on July 7 (Rambo).

Doves, Owls, Swifts, Hummingbirds, Woodpeckers. Four wild **Rock Doves** were found on a mostly submerged hunting lodge at Barren Island on June 12 (Armistead, Taylor). Two young **Barred Owls** were observed at Cornfield Harbor on June 29 (Craig). On July 6 Martha Chestem watched about 100 **Chimney Swifts** enter a shaft in the Columbia Mall that had been a roost for some years, but due to mall expansion the roost is now gone. Jan Reese discovered a **Ruby-throated Hummingbird** sitting on a nest with eggs at St. Michaels on July 8. Two

adult **Red-headed Woodpeckers** were observed bringing food to a nest at Pt. Lookout on July 20 (Craig, Boxwell).

Flycatchers, Warbling Vireo, Fish Crows, Swallows. An **Eastern Kingbird** was feeding 2 young in a nest at Wilde Lake on July 19 (Odermatt). Darius Ecker reported a late **Olive-sided Flycatcher** at Lake Elkhorn on June 13. At least 1, and maybe 2, **Willow Flycatchers** were heard and seen at Greenbury Point, Anne Arundel County on June 17 (Ricciardi). This species is a rare breeder on the Coastal Plain. Another Willow Flycatcher was at PRNAS on June 11 (Lister, Boxwell). Betty Pitney heard a **Warbling Vireo**, probably a late migrant, singing in her backyard at Parsonsburg on June 6. Pt. Lookout hosted 32 **Fish Crows** on July 31. Pitney found a pair of **Tree Swallows** nesting in a bluebird box in Wicomico County at Wor-Wic Community College and noted 6 young on June 4. A migrant **Bank Swallow** was at Holland Island on July 5 (Armistead, Spitzer), and a colony of **Cliff Swallows** continues at the Route 32 bridge in Sykesville (Stirrat). Ethel Engle counted 132 **Barn Swallows** on utility wires at Tanyard on July 20, and 145 **Purple Martins** there on July 14. An adult, male Purple Martin was seen with nesting material at Cornfield Harbor on June 30 (Craig, Cribb).

Nuthatches, Winter Wrens, Waxwings. A nice count of 10 **Brown-headed Nuthatches** was made at Pt. Lookout on June 2 (Craig, Boxwell). It was a good summer for **Winter Wrens**. Susan Sires found 2 at Dans Rock, Allegany County on June 29, an unusual location for this species in summer. Another was singing in the Catoctins in Frederick County on July 5 (Dave Czaplak), and 2 others were found in Garrett County at Swallow Falls on July 12 (Skipper). Marge Leypoldt found a dead **Cedar Waxwing** fledgling in her yard at St. Michaels on July 8.

Warblers, Summer Tanager. A **Blue-winged Warbler** was at Audley-Riley Road near Gorman on June 24 and another at Lost Land Run, Potomac SF, Garrett County on June 30 (Skipper). A late migrant **Blackpoll Warbler** was at Pt. Lookout on June 2 (Craig, Boxwell), one was at Lake Elkhorn on June 9 (Ecker), and Bystrak heard a Blackpoll at PWRC/North on June 10. Two immature, late migrant **American Redstarts** were checked off at Pt. Lookout on June 4 (Craig). Sam Dyke reported a singing **Swainson's Warbler** along the Pocomoke River, Worcester County on July 6. A late migrant **Northern Waterthrush** was notched at Indian Head, Charles County on June 1 (Boxwell), and another was banded at Jug Bay on July 29 (Bystrak). Craig and Boxwell watched an adult **Louisiana Waterthrush** feeding a youngster at Dameron on June 16. A **Canada Warbler** was listed at Henryton on the late date of June 1 (Stirrat). As he did last summer, Bob Ringler found a singing **Summer Tanager** at Soldiers Delight, Baltimore County, on June 8.

Sparrows. Connie Skipper saw a female **Grasshopper Sparrow** fly off a nest containing 5 eggs on June 12 at a reclaimed strip mine near Gorman. She also found 8 Garrett County locations this summer with **Henslow's Sparrows**, all on reclaimed strip mines. She checked off 6 near McHenry on June 5, 5 at Bittinger on June 10, 4 near Gorman on June 12, between 5 and 8 at Lost Land Run, Potomac SF on June 23, 4 near Gorman on June 24, 5 at Lost Land Run on June 30, 1 at Combination Road on June 30, 10 at Bittinger on July 2, 11 at White Church and Steyer Roads near Gorman on July 3, and 6 at Sharpless Mine Road, near Gorman on July 10. At the Rock Lodge site she banded 10 after-hatch-year males, 6 after-hatch-year females, and 6 hatch-year or juvenile birds. She also recaptured 4 Henslow's Sparrows from previous years. Eva Sunell noted a **White-throated Sparrow** at Allview in Howard County on June 23.

Blue Grosbeak, Cardinals, Dickcissel, Icterines. A **Blue Grosbeak** was near Gorman on July 10 (Skipper). A **Dickcissel** was noted in Hollywood from July 6 (John Horton) through July 13 (Rambo). Danny Poet observed an **Orchard Oriole** with 3 fledged young at Queenstown on July 27. On July 20, Cribb and Schneider found 2 **Bobolinks** at Scotland. Jan Reese spotted 3 male Bobolinks in breeding plumage at Kings Creek on July 26, and a pair of **Northern Cardinals** feeding a fledgling **Brown-headed Cowbird** at St. Michaels on July 8. A female **Red-winged Blackbird** was on a nest with 3 young and an egg at Leonardtown Wharf on June 29 (Craig). About 45 **Boat-tailed Grackles** were tallied at Bloodsworth Island on July 5 (Armistead, Spitzer).

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NORTH AMERICAN MIGRATION COUNT 1997 MAY COUNT

LEANNE PEMBURN

A wet day by all accounts, still, 490 observers counted 249 species and approximately 199,412 individuals. Garrett County got snow and sleet; other counties had wind and rain, or wind and chilly sun.

Notable species or numbers of the day included: 47 Evening Grosbeaks in Carroll County; a lone Common Redpoll, and a Rusty Blackbird seen in Garrett County; uncommon sparrows including 13 total Vesper Sparrows, 5 Sharp-tailed Sparrows, 34 Seaside Sparrows and 12 Lincoln's Sparrows; several Blue-winged x Golden-winged Warblers (6 Brewster's and 1 Lawrence's); 3 Gray-cheeked Thrushes (not known which form in all cases); an Olive-sided Flycatcher from Montgomery County; 2 Black-necked Stilts in Dorchester County; a Sandhill Crane in Frederick County; a Black Rail in St. Mary's County; the annual Anhinga, this time in Allegany County; a Stilt Sandpiper photographed in Charles County; and some wonderful birders apparently made it to Assateague and counted 13 Piping Plovers.

Notable misses and low numbers include: only 2 Peregrine Falcons counted this year (the nest on the Legg Mason building must have been inaccessible); a total of 4 Barn Owls for the state; no Saw-whet Owls counted; only 16 Common Nighthawks for the state (a little cool and rainy for them that day); no Loggerhead Shrikes counted; no Dickcissels counted; and only one Henslow's Sparrow, in Garrett County.

The highest number of individuals was, as usual, Common Grackle, with 14,375 individuals.

PARTICIPANTS

Henry T. Armistead, Jean Artes, Leonard Ashtes, Tim & Mary Baldwin, Marcia Balestri, Bill Balford, John Barber, Peg Barber, Wain Barnes, Andra Bassett, Polly Batchwalder, James Battin, Mel M. Baughman, Tom Beal, Genevieve Beck, Betty Begeron, Virginia Beitzel, James Tyler Bell, Wayne Bell, D. Bennett, Jim Bennett, Lisa Bierer-Garrett, Anne Bishop, Peter

Blank, Rick Blom, David Bolton, Daniel Boone, Jon Boone, Cheri Bovia, Joy S. Bowen, Chuck Bowman, Sharon Bowman, Dessie Bowman, Bob Boxwell, Jim Boxwell, Frank Boyle, Millie Boynton, Vera Brechbiel, Gwen Brewer, Pete Bridge, Alan Bromberg, Judy Bromley, Anne Brooks, Andy Brown, Gwen Burkhardt, Brent Byers, Mary Byers, Lori Byrne, Mike Callahan, Kathy Calvert, Mary Jo Campbell, Geoffrey Cant, Catherine Cant, Bob Cantelli, Elliot Cardano, Steve Cardano, Chris Caris, Vivian Cawood, Les Coble, Wanda Cole, Dan Collins, Nancy Congersky, Tom Congersky, Don Conley, Andrew Cooper, Barry Cooper, Ian Cornelius, Steve Cornelius, Patty Craig, Lisa Crawford, Judy Crews, Marty Cribb, Mike Crone, Ralph Cullison, Deanna Dawson, Lou DeMouy, Deirdre Deroia, Allen Deward, Carolina Dodge, Kevin Dodge, B. Donaldson, Donald Dow, Barbara Dowell, Malcolm Doying, Robert Doyle, Kay Dreisbach, JoAnn Dreyer, George Dubois, Carol Durkin, Mark Eanes, Les Eastman, Jeff Effinger, Grahan Egerton, Gil Ellis, E. Engle, Muffin Evander, John Fales, Frederick Fallon, Jane Fallon, Nate Farreau, Gary Felton, Charlie Filer, Charles Finley, Patti Finley, Fawn Foerster,



*Silt Sandpiper on Charles County May Count,
May 10, 1997. Photo by George Jett.*

Earl Fogelberg, Charlotte Folk, D. Ford, Steve Ford, Colton, Conor, John & Liz Forrester, Gail Frantz, Harry Frantz, Sam Freiberg, Linda Friedland, Jean Fry, Larry Fry, Cora Fulton, Jeff Futtrell, George Gaffney, Barbara Gaffney, Pablo Garcia, Becky Garling, Shirley Geddes, Carol Ghebelian, D. Glime, I. Glime, J. Glime, Luther Goldman, Nancy Goldman, Greg Gough, Kevin Graff, Linda Graff, LeJay Graffiuous, Charles Graham, Paul Graham, Josie Gray, Jim Green, Frank Grove, Jim & Trish Gruber, Dot Gustafson, Scott Guzewich, Patricia A. Haacke, William I. Haacke, Betty-Ann Hackett, Sue Hamilton, Peter Hanam, Thomas Harten, Dave & Maureen Harvey, M. Hewitt, Anne Higgins, Jane Highsaw, Jim Highsaw, Rob Hilton, Wilbur Hirschberger, Steve Hitchner, Ann S. Hobbs, Frances & Harold Hoecker, Jutta Holzhaus, Barbara Hopkins, Connie Horrocks, Helen Horrocks, Jeff Horrocks, John Horton, Glory Houck, Kim Hudyma, Sheila Hughes, Carl Hull, Bill Hulslander, Pam & Randy Humberson, Mary Humphreys, Miriam L. Hursey, Eva Illescas, Edith Jack, Otavio Janni, Jan Janssen, Kye Jenkins, George Jett, Barbara Johnson, Mark S. Johnson, Donald C. Jones, Vincent C. Jones, Leon Jordan, Cindy Kalfayan, Stephanie Kaltenecker, Sukon Kanchanaraksa, Lois Kauffman, Heather Kauffman, Greg Kearns, Bob Keedy, Mary Keedy, Linda Keller, Julie Kelly, Ray Kiddy, Dennis Kirkwood, Elliot Kirschbaum, Nancy Kirschbaum, Kathy Kiselewich, Lea

Knapp, Brian Knedler, Jane Kostenko, Russell Kovach, Rosemary Krus, Bill Kulp, Bill Kulp, Jr., Kathie Lambert, John Landers, Ray Lane, Kathleen Lathrop, Dorothy Lauber, Bill Leeson, Lenna Leeson, Sheila Leiss, Willie Lent, Dolly Leonnig, Henry Leskinen, Joe Lewandowski, Judy Lilga, Roland Limpert, Doug Lister, Lisa Lister, Marie Litz, Jessica & Shane Livengood, Cynthia Loeper, Chris Loffredo, Suzette Lopez, John Lorenz, J. Lovelace, Ann Lucy, Bob Lukinic, Leonard Lutwack, Lucy MacClintock, Nancy MacClintock, Margaret Markham, Eileen Marsh, John Martel, Woody Martin, Donald Mattson, James McCann, Jean McConnell, Betty McCoy, Ray McCoy, Mike McKinnon, Martha Meek, Donald Mehlman, Mieke Mehlman, Helen Meleney, Michele Melia, Don Meritt, Ann Mersh, Jim Meyers, D. H. Michael, Janet Millenson, Ann Mitchell, Michael Moffat, Barbara Molyneux, Jorie Moran, Dwight Mueller, Jean Muller, Larry Murphy, Lee Murray, Alice Nemitsas, Kathy Neugebauer, Cheryl Newcomb, Paul Nistico, M. Nuttle, Amy O'Connor, Beth Olsen, Jeff Opel, John Pangborn, Doug Parker, Nancy Parker, Geoffrey S. Parker, Floyd Parks, Lanny Parks, Zach Parks, James Paulus, Ed Pembleton, Sil Pembleton, LeAnne & Mark Pemburn, Eric & Patsy Perlman, John Pfeiffer, Jeannie Pfeiffer, Betty Pitney, Jay Pittenger, Lana Pittenger, Mac Plant, Marie & Stan Plante, Danny Poet, Bill & Fran Pope, Cal Posey, Sarah Potter, Esther Powelson, Vladimir Prassolov, Linda Prentice, Meg Prior, Suzanne Procell, Kathie Prothero, Paul Quinlan, Bill Quynn, Gail Quynn, Peggy Quynn, Dave Radcliffe, Kyle Rambo, Sharon Raun, Mark Rawlings, Tracey Rawlings, Greg Reams, Anne Redfern, Cynthia Renk, Barbara Ricciardi, Glen Richardson, Bob Rineer, Bob Ringler, Arlene Ripley, B. Robinson, R. Robinson, Les Roslund, Roberta Ross, Terry Ross, Frank Ross, Nancy Rowe, Barbara J. Runkles, Mark A. Runkles, Ronald R. Runkles, Jack Saba, John Sauer, Norm Saunders, Jean Sawyers, Gene Scarpulla, Lydia & Paul Schindler, C Schmick, Susan Schneider, M.E. Schwatka, B. Scudder, Christina Seelaus, Janet Shields, Chris Shipe, Cynthia Sibrel, Teresa Simons, Susan Sires, Connie Skipper, Heather Smith, David Smith, Ed Smith, Jean Snyder, Barry Spalding, Kathryn Speicher, Paul R. Spitzer, Linda Spohn, Leslie Starr, Mary Jo Stein, Debbie Stewart, Roger Stone, Carolyn Sturtevant, Tod Sukontarak, Ron Sundergill, Stan Sundergill, Rick Sussman, Hayward Swisher, Allen Swope, Cheryl Swope, M. Tango, P. Tango, Jerry Tarbell, Laura Tarbell, Betsy Taylor, Herb Taylor, Darlene & David Terlizzi, Debbie Terry, Glenn Therres, Elizabeth Thompson, Barbara & Charlie Thorne, John Thrasher, Jean Tierney, D. Todd, I. Todd, M. Todd, Paul Tolson, Joe Turner, Ken Tyson, Spike Updegrove, Darlene Valentine, Pilar Velez, David Walbeck, Beverly Walker, Warren Walker, David Wallace, Frank Warfield, Jen Warriner, Mark Weatherholt, Pete Webb, Margaret Weber, Sally Wechsler, Dave Weesner, Ryan Weesner, Leo Weigant, Nathan Weigl, Hal Weiss, Matilda Weiss, Michael Welch, Bill Wells, Charles Wetherill, I. Wheatley, John Williamson, Ernest J. Willoughby, George Wilmot, Ruth Wilsey, Paul Wilson, Pat Wilson, David Winer, David & Jane Winer, Betty Wolf, Robert Wood, Shirley Wood, Paul Woodward, John Wortman, Howard Youth, Beth Zang, Elizabeth Zucker, John Zyla, and all of Our Anonymous and/or Forgotten Birders.

2617 Guilford Ave., Baltimore, MD 21218

KEY TO SYMBOLS ON MAY COUNT SPECIES LIST



* species for which details were requested

** species not on printed list

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Red-throated Loon*	0	0	0	0	0	0	0	0	0	0	0	3
Common Loon	2	1	11	1	2	0	0	2	0	0	4	45
Pied-billed Grebe	0	0	0	0	0	0	0	0	0	0	0	14
Horned Grebe	0	0	0	0	0	0	0	0	0	0	0	2
Red-necked Grebe*	0	0	0	0	0	0	0	0	0	0	0	0
Northern Gannet*	0	0	0	0	0	0	0	0	0	0	0	0
Brown Pelican*	0	0	0	0	0	0	0	0	0	0	3	3
Double-crested Cormorant	4	160	93	53	75	1	7	40	6	0	122	1,062
Anhinga**	0	0	0	0	0	0	0	0	0	0	0	1
American Bittern	0	0	1	0	0	0	0	0	0	0	0	3
Least Bittern	0	0	0	0	0	0	0	0	0	0	0	0
Great Blue Heron	25	165	71	87	61	58	6	45	6	1	3	1,021
Great Egret	2	1	9	2	2	0	0	25	0	0	19	66
Snowy Egret	3	0	2	2	13	2	7	30	0	0	16	80
Little Blue Heron	0	1	0	0	0	1	0	0	0	0	17	20
Tricolored Heron	0	0	0	0	0	0	0	0	0	0	3	3
Cattle Egret	0	0	4	0	79	17	3	11	3	0	10	127
Green Heron	2	10	9	5	8	3	3	1	2	0	0	149
Black-crowned Night-Heron	0	0	0	0	4	0	0	2	0	0	0	21
Yellow-crowned Night-Heron	0	0	0	0	0	0	0	0	0	0	0	1
Glossy Ibis	0	0	0	9	6	0	0	2	0	0	25	42
Black Vulture	32	25	50	49	17	11	19	12	4	0	34	503
Turkey Vulture	76	72	125	251	123	215	94	75	92	8	75	2,318
Tundra Swan	0	0	0	0	0	0	0	0	0	0	0	3
Mute Swan	2	0	46	76	55	0	22	6	0	0	1	236
Snow Goose*	0	0	0	3	0	1	0	0	0	0	30	34
Canada Goose	10	240	99	96	31	101	9	125	39	0	30	4,281
Brant*	0	0	0	0	0	0	0	0	0	0	320	320

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Wood Duck	24	28	9	25	8	32	31	34	30	4	49	42
Gadwall	2	0	0	0	0	0	3	0	0	0	0	0
American Wigeon	1	0	0	0	0	0	0	0	0	0	0	2
American Black Duck	1	2	0	0	0	2	2	1	0	0	3	1
Mallard	135	30	245	162	37	345	62	186	76	18	168	113
Blue-winged Teal	5	0	0	4	0	5	0	1	1	0	0	1
Northern Shoveler	2	0	0	0	0	0	0	0	0	0	0	0
Northern Pintail	0	0	0	0	0	0	0	0	0	0	0	24
Green-winged Teal	0	0	0	0	0	0	0	0	0	0	0	4
Canvasback	0	0	0	0	0	0	0	0	0	0	0	2
Redhead*	0	0	0	0	0	0	0	0	0	0	0	0
Ring-necked Duck	0	0	0	1	0	0	0	0	0	0	0	0
Greater Scaup	0	0	0	0	0	1	0	0	0	0	0	0
Lesser Scaup	1	0	0	0	2	0	0	0	0	0	0	3
King Eider**	0	0	0	0	0	0	0	0	0	0	0	0
Common Eider**	0	0	0	0	0	0	0	0	0	0	0	0
Harlequin Duck**	0	0	0	0	0	0	0	0	0	0	0	0
Oldsquaw	0	0	0	0	0	0	0	0	0	0	0	0
Bufflehead	26	0	0	0	0	0	0	0	0	1	0	2
Common Goldeneye	0	0	0	0	0	0	0	0	0	0	0	0
Hooded Merganser	0	0	0	0	0	0	0	0	0	0	1	0
Common Merganser	0	0	0	0	1	0	0	1	0	0	0	2
Red-breasted Merganser	3	0	0	0	0	0	0	0	2	0	0	5
Ruddy Duck	10	0	0	0	3	0	0	0	0	0	0	1
Osprey	8	6	3	6	0	28	28	9	6	1	36	75
Bald Eagle	0	0	0	0	0	0	23	1	5	0	9	9
Northern Harrier	0	1	0	1	0	4	3	0	0	0	1	1
Sharp-shinned Hawk	4	2	1	1	0	2	2	5	2	0	1	1

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Wood Duck	39	37	19	20	25	36	13	10	2	0	4	521
Gadwall	0	0	0	0	0	0	0	3	0	0	8	16
American Wigeon	0	0	0	0	0	0	0	2	0	0	2	7
American Black Duck	4	1	3	5	5	2	2	36	4	0	30	104
Mallard	81	140	124	688	76	92	52	60	22	0	108	3020
Blue-winged Teal	0	0	0	2	0	0	0	8	0	0	0	27
Northern Shoveler	0	0	0	0	0	0	0	0	0	0	0	2
Northern Pintail	0	0	0	5	0	0	0	0	0	0	0	29
Green-winged Teal	0	0	0	0	0	0	0	1	0	0	0	5
Canvasback	0	0	3	0	0	0	0	0	0	0	1	6
Redhead*	0	0	0	0	0	0	0	0	0	0	0	0
Ring-necked Duck	0	0	0	0	0	0	0	0	0	0	0	1
Greater Scaup	0	0	0	0	0	0	0	0	0	0	0	1
Lesser Scaup	1	3	0	2	0	0	0	0	0	0	0	12
King Eider**	0	0	0	0	0	0	0	0	0	0	0	0
Common Eider**	0	0	0	0	0	0	0	0	0	0	0	0
Harlequin Duck**	0	0	0	0	0	0	0	0	0	0	0	0
Oldsquaw	0	0	0	0	0	0	0	0	0	0	0	0
Bufflehead	0	1	2	0	0	0	0	0	0	0	0	32
Common Goldeneye	0	0	0	0	0	0	0	0	0	0	0	0
Hooded Merganser	0	0	0	0	0	0	0	0	0	0	0	1
Common Merganser	0	0	3	2	0	0	0	0	0	0	0	9
Red-breasted Merganser	0	1	0	9	5	0	0	0	0	0	1	26
Ruddy Duck	0	0	8	1	0	0	0	0	0	0	0	23
Osprey	22	81	135	50	32	22	24	40	16	0	10	638
Bald Eagle	7	32	13	16	9	25	4	25	2	0	1	181
Northern Harrier	2	0	1	1	0	0	0	3	0	0	3	21
Sharp-shinned Hawk	1	0	3	0	2	0	0	0	0	0	0	27

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Cooper's Hawk	1	0	0	4	0	2	3	3	0	0	2	3
Red-shouldered Hawk	0	1	0	4	1	16	0	35	20	2	20	11
Broad-winged Hawk	5	5	2	0	0	2	2	11	0	0	1	0
Red-tailed Hawk	0	17	7	29	12	25	26	32	15	0	18	9
American Kestrel	2	3	14	15	3	5	4	9	2	1	12	3
Merlin *	0	0	0	0	0	0	0	0	0	0	0	0
Peregrine Falcon *	0	0	0	0	0	6	0	0	0	0	0	0
Ring-necked Pheasant	0	0	0	4	1	11	0	1	1	0	0	0
Ruffed Grouse	6	0	2	1	0	0	0	0	0	0	0	0
Wild Turkey	11	17	12	2	0	0	3	2	0	0	1	3
Northern Bobwhite	0	2	1	1	0	1	6	0	4	0	13	12
Black Rail	0	0	0	0	0	0	0	0	0	0	0	0
Clapper Rail	0	0	0	0	0	0	0	0	0	0	0	0
King Rail	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Rail	0	0	0	0	0	20	0	0	0	0	0	0
Sora	0	0	0	0	0	10	0	0	0	0	0	1
Common Moorhen	0	0	0	0	0	0	0	0	0	0	0	1
American Coot	8	0	1	1	3	1	0	4	4	0	1	4
Sandhill Crane **	0	0	0	1	0	0	0	0	0	0	0	0
Black-bellied Plover	4	0	0	0	0	2	1	0	0	0	3	0
Semipalmated Plover	4	2	4	5	0	8	0	0	0	0	0	0
Piping Plover **	0	0	0	0	0	0	0	0	0	0	0	0
Killdeer	39	10	30	39	1	51	18	28	9	0	21	30
American Oystercatcher	0	0	0	0	0	0	0	0	0	0	0	0
Black-necked Stilt *	0	0	0	0	0	0	0	0	0	0	0	0
Greater Yellowlegs	6	2	1	9	0	3	13	1	3	0	48	9
Lesser Yellowlegs	1	4	3	61	0	6	17	1	2	0	11	9
Solitary Sandpiper	15	12	12	68	1	49	14	70	20	0	30	14

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Cooper's Hawk	0	2	4	1	3	0	0	0	0	0	0	28
Red-shouldered Hawk	8	11	15	1	0	2	1	0	0	0	3	151
Broad-winged Hawk	0	0	0	1	0	0	0	0	0	0	0	29
Red-tailed Hawk	11	16	12	14	4	20	7	5	5	0	2	286
American Kestrel	1	2	1	5	1	6	0	0	0	0	0	89
Merlin *	0	0	0	0	0	0	0	0	0	0	0	0
Peregrine Falcon *	0	0	0	1	0	0	0	0	0	0	0	7
Ring-necked Pheasant	0	0	0	0	0	0	0	0	0	0	0	18
Ruffed Grouse	0	0	0	0	0	0	0	0	0	0	0	9
Wild Turkey	2	0	3	3	0	23	0	2	4	0	0	88
Northern Bobwhite	6	4	8	19	11	14	7	30	7	0	1	147
Black Rail	0	0	1	0	0	0	0	0	0	0	0	1
Clapper Rail	0	0	1	0	0	0	0	5	0	0	1	7
King Rail	0	0	0	0	1	0	0	4	0	0	0	5
Virginia Rail	0	4	1	0	0	0	1	8	4	0	0	38
Sora	0	2	0	0	0	0	2	3	0	0	0	18
Common Moorhen	0	0	0	0	0	2	0	1	0	0	0	4
American Coot	0	0	0	0	0	0	0	1	0	0	0	28
Sandhill Crane **	0	0	0	0	0	0	0	0	0	0	0	1
Black-bellied Plover	0	3	0	0	0	0	0	10	0	0	67	90
Semipalmated Plover	4	9	0	3	47	39	0	35	35	0	2	197
Piping Plover **	0	0	0	0	0	0	0	0	0	0	13	13
Killdeer	8	12	18	28	27	43	29	14	89	0	14	558
American Oystercatcher	0	0	0	0	0	0	0	2	0	0	31	33
Black-necked Stilt *	0	0	0	0	0	0	0	2	0	0	0	2
Greater Yellowlegs	9	24	5	9	10	26	3	35	5	0	8	229
Lesser Yellowlegs	16	37	12	25	17	6	2	30	0	0	12	272
Solitary Sandpiper	0	19	11	4	6	2	2	2	3	0	0	354

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Willet	0	0	0	0	0	0	0	0	0	0	0	0
Spotted Sandpiper	68	10	19	56	2	62	34	48	35	3	48	23
Upland Sandpiper *	0	0	0	0	0	0	1	0	0	0	0	0
Whimbrel *	0	0	0	0	0	0	0	0	0	0	0	0
Ruddy Turnstone	0	0	0	0	0	3	0	0	0	0	0	0
Sanderling	0	0	0	0	0	0	0	0	0	0	0	0
Semipalmated Sandpiper	0	0	4	0	0	111	0	2	1	0	12	13
Least Sandpiper	12	7	1	99	0	117	50	0	15	0	0	19
White-rumped Sandpiper *	0	0	0	0	0	2	0	0	0	0	0	0
Pectoral Sandpiper	0	0	0	1	0	0	7	0	0	0	1	0
Purple Sandpiper **	0	0	0	0	0	0	0	0	0	0	0	0
Dunlin	0	0	0	0	0	58	0	0	0	0	0	0
Stilt Sandpiper *	0	0	0	0	0	0	0	0	0	0	0	0
Short-billed Dowitcher	0	0	0	0	0	2	0	0	0	0	0	0
Common Snipe	1	1	1	4	0	2	0	4	1	0	2	0
American Woodcock	3	0	0	0	0	9	0	0	0	0	0	0
Wilson's Phalarope *	0	0	0	0	0	0	0	0	0	0	0	0
Laughing Gull	0	0	0	0	0	14	8	0	18	0	173	172
Bonaparte's Gull	13	0	0	0	0	50	0	0	0	0	0	2
Ring-billed Gull	210	72	1	35	50	1113	152	189	149	25	331	253
Herring Gull	0	1	0	0	0	606	1	1	0	12	28	22
Lesser Black-backed Gull*	0	0	0	0	0	3	0	0	0	0	0	0
Great Black-backed Gull	0	0	0	0	0	97	5	0	0	35	0	23
Caspian Tern	0	0	0	0	0	398	49	1	0	0	4	0
Royal Tern	0	0	0	0	0	4	0	0	0	0	0	2
Common Tern	0	0	0	0	0	5	0	0	0	0	2	0
Forster's Tern	0	3	0	0	1	0	0	0	2	0	6	8
Least Tern	0	0	0	0	0	24	6	0	0	0	0	0

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Willet	0	0	0	0	1	0	0	16	4	0	116	137
Spotted Sandpiper	31	20	24	25	1	19	0	5	0	0	10	543
Upland Sandpiper *	0	0	0	0	0	0	0	0	0	0	0	1
Whimbrel *	0	0	0	0	0	0	0	0	0	0	18	18
Ruddy Turnstone	0	0	0	0	0	0	0	1	0	0	17	21
Sanderling	1	0	0	0	0	0	0	3	0	0	306	310
Semipalmated Sandpiper	7	1	4	23	5	10	4	6	0	0	0	203
Least Sandpiper	1	78	18	118	96	0	6	70	14	0	7	728
White-rumped Sandpiper *	0	0	0	0	0	0	0	0	0	0	0	2
Pectoral Sandpiper	0	0	0	3	0	0	0	0	0	0	1	13
Purple Sandpiper **	0	0	0	0	0	0	0	0	0	0	6	6
Dunlin	0	1	1	2	0	0	0	875	0	0	135	1072
Stilt Sandpiper *	0	1	0	0	0	0	0	0	0	0	0	1
Short-billed Dowitcher	0	1	0	1	35	0	0	0	0	0	45	84
Common Snipe	0	0	0	0	0	0	2	0	0	0	0	18
American Woodcock	0	0	0	5	1	2	0	3	0	0	0	23
Wilson's Phalarope *	0	0	0	1	0	0	0	0	0	0	0	1
Laughing Gull	169	104	663	241	666	616	281	925	39	0	185	4274
Bonaparte's Gull	0	2	50	273	0	0	2	0	0	0	0	392
Ring-billed Gull	40	357	675	2284	730	0	66	55	0	0	270	7057
Herring Gull	17	145	436	35	28	0	3	45	26	0	198	1604
Lesser Black-backed Gull*	0	0	0	0	0	0	0	0	0	0	0	3
Great Black-backed Gull	0	13	21	7	0	0	2	6	6	0	36	251
Caspian Tern	0	0	6	4	0	0	0	1	0	0	0	463
Royal Tern	0	166	34	2	0	1	2	0	10	0	164	385
Common Tern	2	0	14	6	7	0	0	1	0	0	58	95
Forster's Tern	5	15	73	25	2	3	2	80	5	0	68	298
Least Tern	0	0	8	26	39	3	1	1	0	0	50	158

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Black Tern *	0	3	0	0	0	0	0	0	0	0	0	0
Black Skimmer *	0	0	0	0	0	0	0	0	0	0	0	0
Rock Dove	85	75	164	240	42	272	60	246	53	90	156	38
Mourning Dove	96	56	217	262	78	213	158	360	126	55	261	116
Black-billed Cuckoo	0	0	1	9	0	3	3	1	0	0	2	0
Yellow-billed Cuckoo	0	1	3	8	0	1	6	4	8	0	10	9
Barn Owl	0	0	0	0	0	0	0	0	0	0	2	0
Eastern Screech-Owl	0	0	1	0	0	1	8	0	0	0	2	3
Great Horned Owl	0	0	0	0	0	0	6	1	0	0	1	1
Barred Owl	0	4	1	3	1	5	4	3	4	0	7	6
Northern Saw-whet Owl *	0	0	0	0	0	0	0	0	0	0	0	0
Common Nighthawk	0	2	1	0	0	0	0	0	0	0	10	1
Chuck-will's-widow	0	0	0	0	0	1	0	0	0	0	0	0
Whip-poor-will	0	0	0	0	0	2	2	0	0	0	0	1
Chimney Swift	47	216	145	372	73	190	62	390	673	250	142	21
Ruby-throated Hummingbird	16	12	15	12	11	39	31	26	21	4	45	7
Belted Kingfisher	5	0	8	14	5	17	9	16	12	1	10	9
Red-headed Woodpecker	1	0	3	6	1	0	2	1	2	0	1	0
Red-bellied Woodpecker	10	27	52	72	23	104	59	171	98	15	105	42
Yellow-bellied Sapsucker *	0	0	1	0	0	0	0	0	0	0	0	0
Downy Woodpecker	36	20	28	61	19	53	40	95	46	6	34	10
Hairy Woodpecker	11	7	5	7	3	10	5	11	13	1	5	4
Northern Flicker	47	19	39	40	12	44	35	63	40	8	25	17
Pileated Woodpecker	6	18	10	24	4	10	4	17	29	3	20	4
Olive-sided Flycatcher *	0	0	0	0	0	0	0	0	1	0	0	0
Eastern Wood-Pewee	3	1	3	25	1	18	10	28	31	2	40	5
Acadian Flycatcher	0	3	6	29	0	23	33	33	43	2	63	10
Alder Flycatcher *	0	0	0	0	0	0	0	0	0	0	0	0

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Black Tern *	0	0	0	0	0	0	0	0	0	0	0	3
Black Skimmer *	0	0	0	0	0	0	0	0	0	0	250	250
Rock Dove	0	8	20	41	31	108	17	1	8	1	51	1,807
Mourning Dove	72	88	174	126	54	215	45	15	23	1	19	2,830
Black-billed Cuckoo	0	0	1	0	1	0	0	0	0	0	0	21
Yellow-billed Cuckoo	3	6	3	1	0	0	2	4	0	0	1	70
Barn Owl	0	0	0	0	0	0	0	2	0	0	0	4
Eastern Screech-Owl	0	0	0	4	0	0	1	1	0	0	1	22
Great Horned Owl	0	1	2	1	0	0	2	0	0	0	1	16
Barred Owl	0	1	1	1	1	0	3	3	0	0	0	48
Northern Saw-whet Owl *	0	0	0	0	0	0	0	0	0	0	0	0
Common Nighthawk	0	0	0	0	0	2	0	0	0	0	0	16
Chuck-will's-widow	0	0	0	0	0	1	3	7	0	0	0	12
Whip-poor-will	0	0	0	0	0	4	0	6	0	0	2	17
Chimney Swift	56	158	114	60	31	116	27	12	15	1	0	3,171
Ruby-throated Hummingbird	19	13	20	24	11	36	11	10	8	0	5	396
Belted Kingfisher	11	8	8	7	3	5	2	0	1	0	0	151
Red-headed Woodpecker	9	9	2	1	2	1	2	2	0	0	0	45
Red-bellied Woodpecker	36	54	62	57	20	63	10	7	8	0	5	1,100
Yellow-bellied Sapsucker *	0	0	0	0	0	2	0	0	0	0	0	3
Downy Woodpecker	12	10	17	23	11	49	12	3	10	0	2	597
Hairy Woodpecker	1	3	6	6	4	4	3	1	2	0	0	112
Northern Flicker	3	8	15	30	16	19	8	10	9	0	6	513
Pileated Woodpecker	6	9	10	4	2	8	3	2	2	0	0	195
Olive-sided Flycatcher *	0	0	0	0	0	0	0	0	0	0	0	1
Eastern Wood-Pewee	28	11	30	19	13	15	8	1	12	1	10	315
Acadian Flycatcher	36	39	41	16	3	21	4	0	8	0	4	417
Alder Flycatcher *	0	0	0	0	0	0	0	0	0	0	0	0

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Willow Flycatcher	0	0	0	0	0	0	0	1	0	0	0	0
Least Flycatcher	3	0	0	5	0	2	2	3	1	1	0	0
Eastern Phoebe	25	12	22	35	1	33	20	50	20	1	46	9
Great Crested Flycatcher	1	14	44	69	17	49	31	34	66	8	22	20
Eastern Kingbird	32	9	66	114	29	133	146	137	30	33	99	94
Loggerhead Shrike *	0	0	0	0	0	0	0	0	0	0	0	0
White-eyed Vireo	9	5	8	20	24	46	60	136	30	2	79	45
Yellow-throated Vireo	1	9	2	12	7	24	18	24	16	0	11	6
Solitary Vireo	29	4	8	4	0	9	0	14	0	0	1	2
Warbling Vireo	2	7	27	7	0	9	16	8	4	2	2	1
Philadelphia Vireo *	0	0	0	0	0	3	0	1	0	0	0	0
Red-eyed Vireo	9	43	30	102	19	221	111	327	242	35	325	77
Blue Jay	122	40	159	175	75	143	125	268	109	25	123	80
American Crow	279	121	427	357	163	467	149	509	327	70	444	205
Fish Crow	0	1	18	31	5	10	19	18	19	4	35	7
Common Raven *	0	11	10	2	0	0	0	0	0	0	0	0
Horned Lark	1	5	1	2	0	0	8	0	0	0	4	0
Purple Martin	4	0	69	48	7	54	53	19	108	3	29	61
Tree Swallow	879	103	260	229	328	244	2203	254	314	15	698	172
N. Rough-winged Swallow	96	47	308	127	11	164	645	59	101	80	49	32
Bank Swallow	202	0	69	60	200	101	2	8	72	100	96	147
Cliff Swallow	342	7	68	9	0	5	0	178	79	2	2	1
Barn Swallow	1967	153	709	767	102	1109	277	464	707	85	235	369
Black-capped Chickadee	131	29	1	0	0	0	0	0	0	0	0	0
Carolina Chickadee	0	0	74	157	52	180	88	321	159	51	179	84
Tufted Titmouse	64	56	105	151	39	144	95	340	173	50	246	92
Red-breasted Nuthatch *	2	0	0	0	0	0	0	0	0	0	0	0
White-breasted Nuthatch	40	13	25	32	8	32	16	53	39	2	23	6

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Willow Flycatcher	0	0	1	0	0	0	0	0	0	0	0	2
Least Flycatcher	0	0	0	1	0	0	0	0	0	0	0	18
Eastern Phoebe	13	19	6	9	3	14	0	0	4	1	2	345
Great Crested Flycatcher	17	17	37	36	33	52	32	12	28	1	11	651
Eastern Kingbird	13	36	92	52	20	43	8	6	8	1	8	1209
Loggerhead Shrike *	0	0	0	0	0	0	0	0	0	0	0	0
White-eyed Vireo	32	48	63	66	15	27	21	4	19	2	7	768
Yellow-throated Vireo	16	14	4	8	0	5	0	0	4	0	5	186
Solitary Vireo	0	0	2	2	0	0	0	1	0	0	0	76
Warbling Vireo	0	1	1	3	0	0	0	0	0	0	0	90
Philadelphia Vireo *	0	0	0	0	0	0	0	0	0	0	0	4
Red-eyed Vireo	185	189	211	153	39	53	34	6	36	1	11	2459
Blue Jay	33	60	128	185	45	68	33	10	10	0	6	2022
American Crow	113	238	385	126	30	132	58	30	43	1	7	4681
Fish Crow	43	17	33	34	22	17	46	4	1	0	4	388
Common Raven *	0	0	0	0	0	0	0	0	0	0	0	23
Horned Lark	0	2	15	33	11	62	11	4	0	0	0	159
Purple Martin	33	271	85	101	23	392	101	35	71	0	37	1604
Tree Swallow	41	187	184	3219	497	200	48	110	15	0	21	10221
N. Rough-winged Swallow	95	66	36	154	1	37	2	2	2	0	0	2114
Bank Swallow	25	40	2	308	17	30	4	12	9	0	0	1504
Cliff Swallow	0	3	4	0	0	0	2	0	0	0	0	702
Barn Swallow	168	334	548	658	207	168	81	85	63	2	76	9334
Black-capped Chickadee	0	0	0	0	0	0	0	0	0	0	0	161
Carolina Chickadee	38	69	100	170	34	66	34	6	31	0	23	1916
Tufted Titmouse	70	102	102	116	25	63	31	7	36	1	20	2128
Red-breasted Nuthatch *	0	0	0	1	0	0	0	0	0	0	0	3
White-breasted Nuthatch	0	6	3	9	3	0	3	1	4	0	3	321

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Brown-headed Nuthatch	0	0	0	0	0	0	0	0	0	0	0	0
Brown Creeper	3	0	0	0	0	0	0	0	1	0	0	0
Carolina Wren	5	30	31	46	10	47	28	97	95	27	85	45
House Wren	23	10	76	101	27	59	28	95	85	12	30	7
Winter Wren *	0	1	1	0	0	0	0	0	0	0	0	0
Marsh Wren	1	0	0	0	0	14	3	0	0	0	2	0
Golden-crowned Kinglet	3	0	0	0	0	0	0	0	3	0	0	0
Ruby-crowned Kinglet	73	9	3	13	2	11	2	10	2	1	3	2
Blue-gray Gnatcatcher	45	68	41	117	36	165	187	263	140	26	169	90
Eastern Bluebird	15	19	130	102	57	87	74	111	41	6	107	44
Veery	12	1	4	21	7	75	17	56	17	22	28	1
Gray-cheeked Thrush *	0	0	0	0	1	0	0	1	0	0	0	1
Swainson's Thrush	6	0	3	7	0	9	5	9	7	9	7	3
Hermit Thrush	12	1	0	1	3	2	0	1	1	1	2	2
Wood Thrush	22	12	58	138	32	126	133	240	81	24	171	52
American Robin	633	253	750	1037	262	515	435	570	189	105	343	248
Gray Catbird	74	49	197	509	205	475	210	574	288	98	189	112
Northern Mockingbird	0	9	103	109	31	93	103	163	42	20	116	60
Brown Thrasher	6	6	27	25	18	12	7	16	11	2	27	13
European Starling	279	132	960	2657	356	1510	883	1049	521	110	641	884
American Pipit	0	0	0	20	0	0	20	0	0	0	3	0
Cedar Waxwing	0	0	30	41	4	58	55	35	124	15	132	34
Blue-winged Warbler	3	9	11	11	5	41	15	61	24	4	6	11
Brewster's Hybrid *	0	0	1	0	0	0	2	1	2	0	0	0
Lawrence's Hybrid *	0	0	0	0	0	0	0	0	0	0	1	0
Golden-winged Warbler	8	3	0	2	0	3	0	0	4	0	1	0
Tennessee Warbler	2	0	1	7	0	2	1	2	10	3	0	0
Nashville Warbler	14	7	1	4	0	4	1	3	5	0	4	0

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Brown-headed Nuthatch	0	0	19	0	0	0	0	2	0	0	0	21
Brown Creeper	0	0	0	1	0	1	0	0	0	0	0	6
Carolina Wren	17	30	36	59	19	29	17	10	16	1	7	787
House Wren	6	3	2	18	1	0	1	5	9	0	0	598
Winter Wren *	0	0	0	0	0	0	0	0	0	0	0	2
Marsh Wren	9	5	3	25	3	0	1	15	4	0	0	85
Golden-crowned Kinglet	0	0	0	0	1	0	0	0	0	0	0	7
Ruby-crowned Kinglet	1	0	2	4	0	0	0	0	0	0	0	138
Blue-gray Gnatcatcher	61	69	38	30	21	27	9	3	43	1	10	1659
Eastern Bluebird	52	71	132	31	28	80	43	12	9	0	6	1257
Veery	20	0	10	19	1	2	11	0	0	0	0	324
Gray-cheeked Thrush *	0	0	0	0	0	0	0	0	0	0	0	3
Swainson's Thrush	0	2	4	4	0	0	2	1	0	0	0	78
Hermit Thrush	0	8	0	2	0	4	0	0	0	0	0	40
Wood Thrush	38	46	89	168	64	44	26	3	31	0	5	1603
American Robin	100	132	365	1082	473	422	111	45	99	0	259	8428
Gray Catbird	25	36	83	185	54	47	26	8	14	1	260	3719
Northern Mockingbird	28	63	103	136	53	82	26	5	24	0	10	1379
Brown Thrasher	15	17	42	15	7	31	3	0	1	0	6	307
European Starling	144	331	920	386	364	727	69	50	154	0	319	13446
American Pipit	0	0	0	0	14	0	0	0	0	0	0	57
Cedar Waxwing	34	26	52	34	0	30	36	8	0	0	0	748
Blue-winged Warbler	2	6	4	6	0	1	0	0	0	0	0	220
Brewster's Hybrid *	0	0	0	0	0	0	0	0	0	0	0	6
Lawrence's Hybrid *	0	0	0	0	0	0	0	0	0	0	0	1
Golden-winged Warbler	0	0	0	0	0	0	0	0	0	0	0	21
Tennessee Warbler	2	1	1	5	0	0	1	0	0	0	0	38
Nashville Warbler	0	0	0	1	0	1	0	0	0	0	0	45

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Northern Parula	14	8	10	41	11	156	80	169	138	9	131	73
Yellow Warbler	60	40	60	90	39	184	125	162	48	10	50	34
Chestnut-sided Warbler	25	14	16	26	14	101	17	103	63	32	45	15
Magnolia Warbler	20	4	2	15	6	89	27	111	33	9	29	18
Cape May Warbler	6	0	0	2	3	3	1	0	1	2	5	0
Black-throated Blue Warbler	26	7	26	96	28	357	93	266	85	25	86	37
Yellow-rumped Warbler	530	76	255	430	146	575	642	411	624	260	309	161
Black-thr. Green Warbler	75	30	11	38	8	93	27	71	47	14	34	18
Blackburnian Warbler	29	7	13	11	7	34	6	26	14	7	11	3
Yellow-throated Warbler	8	2	3	4	1	10	4	6	5	1	5	1
Pine Warbler	1	8	4	1	1	6	3	6	3	0	9	9
Prairie Warbler	0	8	4	7	10	19	30	33	26	2	41	26
Palm Warbler	25	0	5	7	0	5	0	2	1	0	0	4
Bay-breasted Warbler	2	0	2	5	0	7	0	1	0	0	3	1
Blackpoll Warbler	0	4	2	5	1	4	5	5	5	10	13	4
Cerulean Warbler	13	5	3	11	0	7	3	28	9	1	4	0
Black-and-white Warbler	28	5	11	28	16	173	80	136	31	10	43	34
American Redstart	63	39	28	112	55	238	71	286	111	33	91	96
Prothonotary Warbler	0	2	3	6	1	3	6	0	6	0	3	5
Worm-eating Warbler	0	8	2	24	1	33	25	21	5	2	2	5
Ovenbird	45	13	17	67	17	123	52	147	52	34	163	81
Northern Waterthrush	8	1	2	4	2	21	4	13	7	0	5	9
Louisiana Waterthrush	3	4	7	26	2	21	21	27	23	0	8	9
Kentucky Warbler	2	1	3	8	2	17	26	35	19	0	23	10
Common Yellowthroat	98	44	41	125	62	336	201	345	141	31	212	149
Hooded Warbler	12	4	0	4	1	21	4	20	1	5	49	19
Wilson's Warbler	3	0	0	1	0	5	1	7	2	1	1	2
Canada Warbler	5	1	4	3	2	35	9	21	7	0	6	1

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Northern Parula	91	84	67	59	17	16	25	0	9	1	5	1,214
Yellow Warbler	14	18	18	100	14	9	9	3	1	0	5	1,093
Chestnut-sided Warbler	9	7	22	29	0	0	20	1	0	0	0	559
Magnolia Warbler	19	0	17	36	4	1	8	0	1	0	0	449
Cape May Warbler	0	0	3	7	0	1	0	1	0	0	0	35
Black-throated Blue Warbler	47	12	31	24	26	5	17	1	2	0	0	1,297
Yellow-rumped Warbler	53	91	105	409	83	23	82	25	22	0	2	5,314
Black-thr. Green Warbler	17	9	37	41	1	4	17	0	1	0	0	593
Blackburnian Warbler	4	2	4	11	0	0	5	0	0	0	0	194
Yellow-throated Warbler	18	1	2	12	2	0	1	0	1	0	5	92
Pine Warbler	17	22	41	16	5	14	11	12	31	0	7	227
Prairie Warbler	11	20	30	7	3	18	5	2	45	0	2	349
Palm Warbler	0	0	2	5	0	0	0	0	0	0	0	56
Bay-breasted Warbler	1	1	0	4	0	0	0	0	0	0	0	27
Blackpoll Warbler	12	11	15	5	0	1	1	0	0	0	0	103
Cerulean Warbler	0	0	0	5	0	0	0	0	0	0	0	89
Black-and-white Warbler	32	11	67	47	14	10	18	2	19	0	2	817
American Redstart	56	27	39	39	12	10	21	3	13	0	5	1,448
Prothonotary Warbler	4	11	1	8	2	12	1	4	10	2	16	106
Worm-eating Warbler	7	1	6	3	0	0	8	2	16	0	10	181
Ovenbird	73	85	131	73	18	32	27	6	50	1	15	1,322
Northern Waterthrush	1	3	1	5	0	1	3	0	0	0	0	90
Louisiana Waterthrush	9	10	10	2	2	0	6	0	2	0	5	197
Kentucky Warbler	19	15	24	24	3	8	4	0	1	0	3	247
Common Yellowthroat	88	68	163	242	68	63	52	35	31	1	10	2,606
Hooded Warbler	29	38	21	0	0	0	0	0	6	0	2	236
Wilson's Warbler	10	0	0	1	0	0	1	0	0	0	0	35
Canada Warbler	0	0	3	8	1	0	1	0	0	0	0	107

<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Yellow-breasted Chat	2	2	7	9	0	5	13	11	2	0	36	22
Summer Tanager	0	0	0	0	0	1	2	2	0	0	10	3
Scarlet Tanager	20	26	21	88	10	133	69	138	107	15	114	61
Rufous-sided Towhee	116	59	80	108	45	77	35	190	78	27	121	74
Chipping Sparrow	227	66	144	159	39	157	62	68	52	11	114	29
Field Sparrow	63	31	35	36	24	22	15	81	31	0	50	38
Vesper Sparrow	5	3	1	0	0	0	0	0	0	0	1	0
Savannah Sparrow	17	3	0	7	0	31	7	29	0	0	5	27
Grasshopper Sparrow	1	1	8	6	0	0	4	3	1	0	8	1
Henslow's Sparrow *	1	0	0	0	0	0	0	0	0	0	0	0
Saltmarsh Sharp-tail Sparrow	0	0	0	0	0	0	0	0	0	0	0	0
Seaside Sparrow	0	0	0	0	0	0	0	0	0	0	0	0
Fox Sparrow *	0	0	0	0	0	0	0	0	0	0	0	0
Song Sparrow	176	36	85	158	31	145	31	147	58	13	53	28
Lincoln's Sparrow *	0	0	1	0	0	2	0	2	2	1	0	4
Swamp Sparrow	32	1	2	5	2	21	5	21	3	4	9	20
White-throated Sparrow	25	51	23	95	18	119	35	82	54	35	32	42
White-crowned Sparrow	8	8	31	32	4	3	3	5	3	0	2	4
Dark-eyed Junco	0	2	1	2	0	0	0	0	0	0	1	0
Northern Cardinal	61	100	284	388	133	308	252	733	338	49	363	172
Rose-breasted Grosbeak	77	10	23	30	1	39	11	21	13	2	12	4
Blue Grosbeak	0	0	2	2	0	9	8	8	0	2	20	20
Indigo Bunting	17	43	86	117	30	80	66	146	86	10	229	79
Dickcissel *	0	0	0	0	0	0	0	0	0	0	0	0
Bobolink	119	37	31	183	1	89	148	277	69	30	37	107
Red-winged Blackbird	348	98	306	826	128	1,293	462	771	104	31	435	400
Eastern Meadowlark	50	15	39	44	5	4	36	11	2	0	11	22
Rusty Blackbird *	1	0	0	0	0	0	0	0	0	0	0	0

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Yellow-breasted Chat	7	20	40	11	3	37	4	3	8	0	2	244
Summer Tanager	22	7	28	4	0	3	5	5	13	0	1	106
Scarlet Tanager	48	57	61	60	22	22	23	2	17	0	1	1,115
Rufous-sided Towhee	10	35	68	84	18	46	10	4	29	0	18	1,332
Chipping Sparrow	36	50	103	79	26	76	69	15	26	0	8	1,616
Field Sparrow	34	13	38	19	12	46	13	0	4	0	3	608
Vesper Sparrow	0	0	0	0	2	1	0	0	0	0	0	13
Savannah Sparrow	0	0	6	5	2	1	1	1	0	0	0	142
Grasshopper Sparrow	5	28	54	9	1	11	0	1	3	0	0	145
Henslow's Sparrow *	0	0	0	0	0	0	0	0	0	0	0	1
Saltmarsh Sharp-tail Sparrow	0	0	0	0	0	0	0	3	0	0	2	5
Seaside Sparrow	4	0	0	0	0	0	0	30	0	0	0	34
Fox Sparrow *	0	0	0	0	0	0	0	0	0	0	0	0
Song Sparrow	17	11	40	30	8	16	6	1	2	0	5	1,097
Lincoln's Sparrow *	0	0	0	0	0	0	0	0	0	0	0	12
Swamp Sparrow	7	2	2	4	0	2	2	1	0	0	0	145
White-throated Sparrow	0	4	42	34	15	8	18	3	8	0	0	743
White-crowned Sparrow	2	0	2	12	0	0	0	0	0	0	0	119
Dark-eyed Junco	0	0	0	1	0	0	0	0	0	0	0	7
Northern Cardinal	119	136	296	306	89	143	52	20	36	1	15	4,394
Rose-breasted Grosbeak	6	2	3	6	1	3	4	1	4	0	0	273
Blue Grosbeak	19	25	34	33	6	28	16	12	13	0	0	257
Indigo Bunting	73	60	114	38	17	54	11	5	10	0	2	1,373
Dickcissel *	0	0	0	0	0	0	0	0	0	0	0	0
Bobolink	161	3	81	1,034	0	30	4	3	0	0	0	2,444
Red-winged Blackbird	275	195	617	1,690	342	642	199	400	101	0	377	10,040
Eastern Meadowlark	6	15	41	14	9	7	9	12	1	0	11	364
Rusty Blackbird *	0	0	0	0	0	0	0	0	0	0	0	1

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<i>Species:</i>	Gar	Alle	Wash	Fred	Carr	Balt	Harf	How	Mont	DC	PG	AA
Boat-tailed Grackle	0	0	0	0	0	0	0	0	0	0	0	0
Common Grackle	236	88	1,182	1,828	224	1,605	614	766	296	55	584	368
Brown-headed Cowbird	75	38	82	124	55	148	97	129	116	45	128	110
Orchard Oriole	2	3	25	18	6	27	67	52	21	8	28	13
Northern Oriole	33	43	159	118	11	144	91	133	78	5	39	18
Purple Finch	6	1	12	0	3	0	0	0	0	0	0	0
House Finch	40	9	185	156	62	117	90	165	85	30	140	78
Common Redpoll **	1	0	0	0	0	0	0	0	0	0	0	0
Pine Siskin	0	0	0	0	0	0	0	0	0	0	0	0
American Goldfinch	151	112	213	394	105	385	165	389	240	60	308	103
Evening Grosbeak	0	0	0	0	47	0	0	0	0	0	0	0
House Sparrow	76	90	255	566	1	176	89	263	122	60	120	98
Total Species:	145	135	143	149	116	169	150	147	145	104	162	160
Total Individuals:	9,687	3,509	10,269	17,178	4,332	19,475	12,356	17,062	10,126	2,794	12,151	7,507
Observers	19	9	20	26	7	71	23	65	40	1	73	29
Parties	12	5	11	9	4	30	9	32	23	1	32	13
Party-hours on foot	57	20	32.5	39	28	142.3	49	194.5	140	10.5	153	76
Party-hours by car	44	15	56.5	70	7	13.25	34.5	20.3	10	2.5	19	17.5
Party-miles on foot	43.55	20	29	37.5	13	81.3	29.25	147.8	88.5	8	107	50.5
Party-miles by car	496.6	108	568	644	115	105	277	316.9	130	50	194	92.5

<i>Species:</i>	Calv	Chas	StM	Kent	QAn	Caro	Talb	Dor	Wic	Som	Wor	TOTAL
Boat-tailed Grackle	0	0	0	0	0	0	0	8	0	0	222	230
Common Grackle	308	317	1,147	1,294	844	934	358	450	265	0	648	14,411
Brown-headed Cowbird	44	79	127	208	56	104	56	80	45	0	18	1,964
Orchard Oriole	5	19	16	67	17	83	29	40	20	0	2	568
Northern Oriole	3	12	10	53	24	31	24	6	2	0	1	1,035
Purple Finch	0	0	0	1	0	0	0	0	0	0	3	26
House Finch	20	57	97	145	36	109	49	1	9	0	12	1,692
Common Redpoll **	0	0	0	0	0	0	0	0	0	0	0	1
Pine Siskin	0	0	0	0	0	0	0	0	0	0	0	0
American Goldfinch	63	111	190	319	47	169	68	25	28	0	6	3,651
Evening Grosbeak	0	0	0	0	0	0	0	0	0	0	0	47
House Sparrow	35	34	150	128	63	191	25	15	46	0	165	2,768
Total Species:	130	141	158	169	128	125	131	144	107	22	128	250
Total Individuals:	4,404	6,887	11,759	19,616	6,750	8,108	3,211	4,680	2,299	32	5,870	200,049
Observers	7	14	22	11	9	21	6	5	4	2	6	484
Parties	4	8	14	7	8	5	5	1	2	1	4	237
Party-hours on foot	46	35	51.5	16	30.5	30.5	9.25	8	11	0.25	23	1,196.75
Party-hours by car	11	36	43	37.5	27	25.5	9.75	16	8	0.5	7.5	531.3
Party-miles on foot	28	28.5	51.8	12	10	14.5	10.5	3	1.5	0.25	9.5	822.95
Party-miles by car	105	386.5	490.4	282	282	302	110	180	100	5	133	5,469.90

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