

# Delaware Big Days 2003

Colin Campbell

I'm not *really* a numbers junkie. I mean, I do keep lists of bird species seen in my yard, in Delaware, in the ABA area, in the World...and I do make some sort of effort to increase these counts...by planting shrubs and offering different foods for my yard birds, discovering undiscovered Delaware for new state birds, the occasional twitch for a new North American bird or two, and traveling to a new country to satisfy my insatiable curiosity for history, geography, beer, wine, food, language, and bird lists. But other than that...OK, I guess I really am a numbers junkie.

## The Why

The bird-listing bible for North American birders is the American Birding Association Big Day and List Report, published annually in June as a supplement to the ABA's bimonthly journal, *Birding*. When I see that Delaware is being given short change, I take up the challenge. So, when I joined the ABA in 1990 and saw that the guy with the most bird species in Delaware was from out of my adopted state – an event unique amongst the 50 states – and no one else seemed bothered, I resolved to topple that total. It took a few years, but I got there. Iconoclastic, agreed. So, what next? The ABA Big Day and List Report for 2002 showed that Delaware had no less than seven months of the year for which no record of a big day had been reported. This just had to be corrected. Not only that, but a couple of other months had totals which were seemingly pathetic; i.e., a hundred birds or less. This is Delaware, after all; the Small Wonder, renowned for its plethora of bird species. So, a target of 100 species for a single day's birding was set as an objective for each month of the year.

I gathered a few trusted, ethical birders, and plied them with the best malt whisky until they came around to my point of view. We decided on a few major items during the first morning of the first big day; such was our pre-planning. Firstly, big days had to be at weekends, as all participants had weekday

jobs. Secondly, these were to be “relaxed” big days; basically daylight hours, no breakneck speeds, and stops to intake and outlet when people wanted them. And, once we reached 100 species for the day, we would try for one or two more species just to make it look non-obvious, drink a toast and get even more relaxed. Finally, no tapes. This was more by accident than by design. We forgot to take a tape on our January day, and for the sake of continuity, decided to try the whole year's worth of big days without using tape recordings to attract birds. This did lead to some extraordinary oral performances, few of which had any effect other than to ensure that all wildlife within hearing range remained totally mute and invisible.

## The What

For those readers who have trouble maintaining their patience until the end of an article, no matter how beautifully written, here are the results up front:

January, 89 species (first record for the month); February 87 (new record, surpassing previous record); March 103 (first record); April 115; May 161; June 105 (first record); July 102 (first record); August 110 (first record); September 110; October 102 (new record); November 102 (first record); December 100 (first record). Total species in the course of the monthly big days, 239.

So, the objective of completing a big day in every month was achieved and, in doing so, we set 7 records where none existed before and two new records to surpass two published records. The results are summarized in the 2003 ABA Big Day and List Report (Supplement to *Birding*, Vol. 36, No.3). The objective of 100 species in a day for each month failed in January and February and leaves considerable room for improvement, as does every month. We encourage all those who bird Delaware to try to improve on our baseline results.

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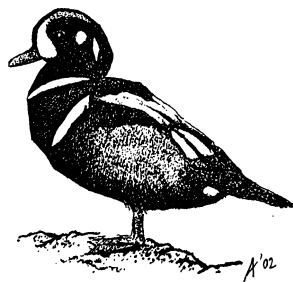
## The When and Where

**Our Winter (January – April) plan** was to set off sort of early, head for Helen's Sausage House (Saturdays) or Wawa at Lewes (Sundays), thence to Indian River Inlet at dawn – ocean seabirds and shorebirds, saltwater bay wildfowl - and work our way north, checking Silver and Spring Lakes (wildfowl), Cape Henlopen State Park (SP) (finish off ocean birds, get specialty pine forest birds), Prime Hook National Wildlife Refuge (NWR) (wetland wildfowl, raptors, grassland passerines), Ted Harvey Conservation Area (shorebirds, puddle ducks), Little Creek Wildlife Management Area (WMA) and Bombay Hook NWR (mopping up on everything). Occasional forays inland for specialties were to be made only if “needed.”

I see from my notes for Sunday 19 January that it was “bloody cold.” Indeed, cold enough for Rehoboth Bay to freeze, and where the grebes and ducks are normally to be found, we were treated to the spectacle of a fox walking across the ice. However, the loons, grebes and sea ducks were found on the ocean at Indian River Inlet, and the jetties held “the big four” sandpipers. A guy equipped with a very professional camera filmed us birding. Due to the cold, which chilled the lip movements, we were unable to ascertain whether we were to be called to Hollywood the following week or were advertising porn or popcorn. We were lucky to get a Saltmarsh Sharp-tailed Sparrow, a Wilson's Snipe and a Merlin while plodding the marshes in our newly acquired Neos. We departed from the shore with a good feeling; and Brown Thrasher and Eastern Towhee at Prime Hook, amongst others, caused us to think in terms of a hundred. Then.....a call from a local birder saying that he'd found a female Barrow's Goldeneye at Cedar Creek Mill Pond caused us to abandon our proposed route and head for what would be a new state record. Oh yes, I forgot to mention another rule. If a new state bird for any of us was heard of during our big day, well, you know, you've just gotta do it. The Goldeneye certainly had a very yellow bill, but not a distinctively shaped head, and after we watched it for over an hour at some distance, it suddenly flew with its fellow *Bucephalas* and confirmed its identity as a Common. Buggeration. A waste of an hour plus. Did it cost us a hundred? No. Did it teach us a lesson? Yes. What lesson? I've forgotten. We did OK – 18

species of duck, 10 sparrows, and 3 owls – but finished with 89 species with some notable omissions, which I won't mention.

Weekends were running out in February; we had to get our act together. Then – the snow. We set off on Saturday 22 Feb after 24 inches of snow had fallen in the previous two days. Now the temperature had risen and we confronted fog. Later, sleet and rain added to our enjoyment of the variety of weather elements. However, two Red-necked Grebes and a pair of Harlequin Ducks at the Inlet buoyed our spirits, and Brown-headed Nuthatches and Fox Sparrows at the Cape Henlopen State Park feeders bolstered our hopes.



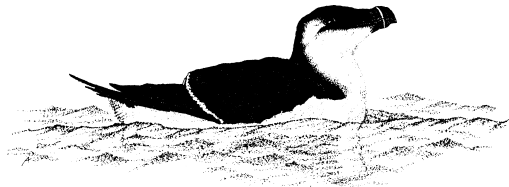
*Harlequin Duck by Adrian Binns*

A Winter Wren and a Red-shouldered Hawk were good finds at Prime Hook NWR, and Cabbage Pond held a spectacular number of Ring-necked Ducks and American Wigeon, and...not a hoped-for Eurasian Wigeon, but a humble Coot. Still good. One of the participants on this day had offered to drive in his new Ford Escape, so to put it though its paces, he tried to surmount a three-foot frozen ice drift to allow us access to Little Creek WMA. After he almost perched it on the top (a bit like those 4-wheel drive ads seen on TV), we persuaded him to back off and go for the Lapland Longspur on Cartanza Road instead. A very difficult day, but some excellent birds in the 87 species seen.

Sunday 23 March, by contrast, was a beautiful day: a cool NE wind with few clouds. Downstate, five individual Red-necked Grebes, two American Oystercatchers and a female King Eider were the pick of the bunch at Indian River Inlet, where the expected jetty shorebirds were missing due to an exceptionally high tide. At Cape Henlopen SP, a first-winter drake

King Eider was at Fisherman's Wharf, and a similarly-plumaged Common Eider was at Herring Point. Three Piping Plovers were seen from the Point parking lot, an early sign of spring backed up by 3 Blue-winged Teal at the impoundments on Broadkill Beach road, 2 Glossy Ibis at Chandelle Airport on Delaware Rt. 9, and a Purple Martin at Ted Harvey Conservation Area. Winter's grip was still apparent though at Cartanza Road where Lapland Longspurs and Snow Buntings diluted the Horned Lark flocks. The star of the day was an American White Pelican found at the impoundment south of the Port Mahon Road. We had 102 species and a day to remember.

We chose an earlier day in the month of April, Sunday the 13th, as a couple of us had decided to see what Morocco was like later that month. The extraordinary sight of a Razorbill diving in Rehoboth Bay caught us by total surprise in the early morning.



*Razorbill by Adrian Binns*

White-winged Scoters were finally found for the year on the ocean at Indian River Inlet. This was to be a very good heron day with Tricolored in Rehoboth, Yellow-crowned Night-Heron at Slaughter Beach, and American Bittern at Logan Tract filling out the usual spring guys. Shorebirds now made a needed appearance with American Golden Plover, Stilt Sandpiper, and both Ruff and Reeve at Bombay Hook in the 17 species recorded.



*Ruff by Adrian Binns*

A breeding-plumaged Little Gull over a puddle on Kitt's Hummock Road was a mega-find. Passerines included Blue-gray Gnatcatchers and a Yellow-throated Warbler at Prime Hook. It was a superb day in which mammals figured prominently, with close views of a Red Fox with a freshly killed muskrat, looking for a place to swim across the channel at Bombay Hook's Shearness Pool, finding and crossing it, then trotting down the road to feed the family; and two beavers by the road beyond Bear Swamp, gnawing on grass stems, oblivious to the ten-foot scrutiny. We finished with 115 species of birds for the day.

**Our Spring Migrant (May) plan** was to start sort-of-early at White Clay Creek Preserve/State Park on Sunday 11 May. We found ourselves in a thunderstorm at 6 AM. Warblers in 60 foot trees are difficult at the best of times. With fog down to 50 feet and the foliage deliberately dripping into binocular eyepiece and objective lenses, we did question our sanity. However, as the weather improved, so did the birds and our spirits. We left to head south with twenty species of warbler and four of vireo. Arguably, the best find was a late White-crowned Sparrow. We headed to the Delaware City marshes for herons, etc., and found an immaculate Black Tern in Thousand-acre Marsh. Heading down Rt. 9, we detoured at Cedar Swamp (site of the famous duo from a couple of years before – Western Kingbird and Dusky Flycatcher) and chanced upon a Dickcissel atop a small ornamental pine along Deakyneville Road. We were now thinking that the birding gods were with us, and after adding Snow Goose at Woodland Beach, arrived at Bombay Hook with almost 80 species. Both Swainson's and Gray-cheeked Thrushes were found on the Boardwalk Trail, but the star of the show here was a magical Red-headed Woodpecker on the "Night-Heron Island" at the north end of Bear Swamp. Ducks had been difficult all day, but a female Hooded Merganser at Little Creek WMA and a Red-breasted Merganser at Ted Harvey were delightfully accepted. We tried Milford Neck as dusk approached and were rewarded with Chuck-Will's-Widow in the forest and an improbable pairing, Common Nighthawk and Northern Gannet, at Big Stone Beach. While not in the class of the Delaware May Big Day heavy-hitters, we were more than pleased with our total of 161 species.

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**Our Summer (June – August) plan** was to bird the wetlands of Delaware City environs and work our way down Rt. 9 to Bombay Hook NWR, Little Creek WMA, Ted Harvey Conservation Area and further south if time permitted (or we were getting desperate) to Mispillion Light and Prime Hook NWR.

Sunday 15 June was a fine day with a temperature in the low 70s, a light SW wind and partly sunny. The Peregrine Falcon nest under Reedy Point Bridge sported three very noisy, newly fledged young, and nearby, a couple of Common Moorhens, an increasingly difficult bird to get these days, were paired off in Thousand-Acre Marsh. Equally satisfying was the double sighting of Bobwhites down Rt. 9. Ruddy Ducks were at Bombay Hook, but the sight of three young Willets swimming in the channel at Shearness was unique for us all. A *deja vu* was the sight of a fox (the same we had seen here in April?) carrying another bloody muskrat in its jaws. Painted and Snapping Turtles were out and about in plenty. Little Creek gave us a Yellow-breasted Chat and Ted Harvey contained American Avocets, but we still had time to head south. American Oystercatchers were at Mispillion, as was the annoyingly brusque fisherman who warned us that we were trespassing, even though we were standing on a public road. Thank goodness the state has bought that property recently. We had time to call in at Redden Forest, but were unable to find a Red-headed Woodpecker in its “normal” habitat, settling on Prairie Warbler and Yellow-throated Vireo instead. We put in quite a lot of travel for our 105 species, but it was well worth it.

Saturday 26 July was a stinker. Hot + muggy + light winds = lots of bugs. Pied-billed Grebes are always good to find at this time of year, so the single at Dragon Run was a fine start, to be followed, without us moving, by a Least Bittern. As we headed south down Rt. 9 we found a new, small colony of Cliff Swallows under the bridge over Silver Run; previous colonies were under the Appoquinimink bridges a couple of miles further south. This was to be a great day for terns with Caspian at Delaware City, Gull-billed at Bear Swamp, and Forster’s, Least and Black at Ted Harvey, along with Black Skimmers. An immature Brown Pelican at Port Mahon was an unexpected bonus, but we still needed to head south to boost numbers. Pick o’ the bunch were a Wilson’s Phalarope at Broadkill Beach impoundment and a

Blue-gray Gnatcatcher at Turkle Pond, Prime Hook. We had 102 species for the group total with one participant adding Sharp-shinned Hawk to his personal list after missing us at the start and miraculously finding us at Cedar Swamp without any set itinerary or cell phones! I called in at New Castle County Airport on my way home and had two Upland Sandpipers. We counted neither species in our total.

Saturday 23 August was another sweaty day. We knew that shorebirds were going to be a big part of the total at this time of year and they would need backing up with passerines, so we chose Fort Dupont State Park as the early morning kicker. Mistake! No migrants yet. The nearby marshes gave us a good set of herons and a start on the ducks, but Bombay Hook came up trumps with twenty species of shorebird, to which we added Ruddy Turnstone and Sanderling at Port Mahon. Little Creek was closed for the preservation of wildlife, but Ted Harvey still had Black and Gull-billed Terns. We had 110 species for the day.

**Autumn routes (September – October)** started again with White Clay Creek in the morning and then proceeded down Rt. 9 to a southerly point of wherever we could get to in daylight.

Sunday 14 September was an odd woodpecker day. How often have you had a day with Red-headed and Pileated but not Downy, Hairy or Flicker? Do you think we weren’t really trying? Maybe so, but that’s life. The Red-headed was a juvenile on a telegraph pole at Hangman’s Gut and was delightfully unexpected. It was a good heron day, too, with only American Bittern missing; Least Bittern was at Ted Harvey, Tricolored Heron and Yellow-crowned Night-Heron at Bombay Hook. Shorebirds again figured prominently with the stars being a Baird’s Sandpiper at Ted Harvey and a Reeve and a Wilson’s Phalarope at Bombay Hook. Our finding of no warbler action was corroborated by other birders we met along the way, so 110 species for the day, while nowhere near the existing record of 130, was satisfactory. The quality was there!

Our run on Saturday 11 October was in increasingly overcast conditions finally turning to miserable rain in the afternoon; and although we had some good birds, our total was a mere 95. We put

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this down to the Wawa shortage of Sizzlies at the start of the day. No Sizzlies, no birds. The only thing for it – as there were still weekends left before the end of the month – was to give it another go. So, Saturday 18 October saw us again drawing a blank on warblers at White Clay Creek, but finding an Osprey, a Red-shouldered Hawk, Purple Finches and a Lincoln’s Sparrow. Woodpeckers behaved better than in September with five species showing themselves. The Delaware City marshes are always productive and this day produced two American White Pelicans, a Bonaparte’s Gull, and Ring-necked Ducks. Ten species of birds of prey is always satisfying, and though the diversity of shorebirds had dropped and we had to travel some distance, we managed 102 species. Number 102 was a practice run in case we needed it in November or December – the Mute Swans outside the Hilton Hotel in Wilmington: position the car headlights correctly and...bingo, number 102!

**As the cold weather came in (November – December),** starting in the south of the state and working north took over once again.

Sunday 16 November was as still as the grave; even the ocean was flat. Luckily, the usual suspects at Indian River Inlet were all there except the Purple Sandpipers. Three Brown Pelicans and two Common Eiders livened up proceedings, and two Clapper Rails besporting themselves in full view was good. The campground held Purple Finches, and a Seaside Sparrow sat up and looked us over. A Monk Parakeet, one of the few remaining birds in that colony, was at the roost site by Silver Lake in Rehoboth. No, it did not go on the list. The feeders at Cape Henlopen Nature Center had both Red-breasted and Brown-headed Nuthatches. Little Creek had a Fox Sparrow and Cartanza Road held a Lapland Longspur amongst its Horned Lark flocks. Bombay Hook had American Pipits, an Eastern Screech-Owl kindly put his face out

of a Wood Duck box for us, and some lingering Cattle Egrets were a nice addition. We had another 102 day; highly satisfactory!

The finale came on Saturday 13 December. We knew that the going gets tougher in the winter months; after all, look what happened in January and February: way off the target of 100. Once again, dawn broke at Indian River Inlet into what was to be a sunny, cold day. A Brown Pelican still remained, and the star of the sea ducks, a Harlequin, did its thing around the jetties. It was a good day for ducks altogether with 19 species, along with 3 geese and 2 swans. The most interesting? The “Tufted Duck” on Silver Lake. Yes, it was there in previous years, an identifiable female. Now, what was wrong with this one? There was something odd about it. Well, to cut a long story short, it looked more like a hybrid. Miss Tuftie from previous years had been up to no good in the absence of a drake of her own kind. Tickable? Not quite. After frantic searches further north, we found ourselves at Bombay Hook in looming darkness with only 96 on the list. Yes, yes, yes, the Screech-Owl was in the box, and listen, that really is a Great Horned Owl calling. We met Andy Ednie who told us of a hunting Short-eared Owl seen from the Raymond Pool curve. A cloud of dust and a hearty hi-yo saw us there in seconds and yes, number 99 was discernable still flopping over the phragmites. So now you’re asking “What was the 100th?” Yes, it was the Mute Swan spotlighted at the Wilmington/Christiana Hilton. Sometimes, you’ve just gotta know these things.

### The Who

Many thanks to all my soul mates on this epic voyage. Alison Ellicott and Scott Henderson were the faithfuls, with France Dewaghe, Carol Ralph, Phil Thompson and Jeff Holt joining in on days when they had nothing better to do.

Species seen on Delaware Big Days  
January - December 2003

|                   | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Red-throated Loon | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| Common Loon       | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| Pied-billed Grebe | X   | X   | X   |     |     | X   | X   |     |     | X   | X   | X   |
| Horned Grebe      | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| Red-necked Grebe  |     | X   | X   | X   |     |     |     |     |     |     |     |     |

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|                            | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Northern Gannet            |     |     | X   | X   | X   |     |     |     |     |     | X   | X   |
| American White Pelican     |     |     | X   |     |     |     |     |     |     | X   |     |     |
| Brown Pelican              |     |     |     |     |     |     | X   |     |     |     | X   | X   |
| Double-crested Cormorant   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Great Cormorant            | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| American Bittern           |     |     |     | X   |     |     |     |     |     |     |     |     |
| Least Bittern              |     |     |     |     |     |     | X   |     | X   |     |     |     |
| Great Blue Heron           | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Great Egret                |     |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Snowy Egret                |     |     |     | X   | X   | X   | X   | X   | X   | X   | X   |     |
| Little Blue Heron          |     |     |     |     | X   | X   | X   | X   | X   | X   |     |     |
| Tricolored Heron           |     |     |     | X   |     |     |     |     | X   |     | X   |     |
| Cattle Egret               |     |     |     |     | X   | X   | X   | X   | X   |     | X   |     |
| Green Heron                |     |     |     |     | X   | X   | X   | X   | X   |     |     |     |
| Black-crowned Night-Heron  | X   | X   |     | X   | X   | X   | X   | X   | X   | X   |     | X   |
| Yellow-crowned Night-Heron |     |     |     | X   |     |     |     | X   | X   |     |     |     |
| Glossy Ibis                |     |     | X   | X   | X   | X   | X   | X   | X   |     |     |     |
| Black Vulture              | X   |     | X   | X   | X   | X   |     | X   | X   | X   |     | X   |
| Turkey Vulture             | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Snow Goose                 | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Canada Goose               | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Brant                      | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| Mute Swan                  |     |     |     | X   | X   | X   |     | X   | X   | X   | X   | X   |
| Tundra Swan                | X   | X   |     |     |     |     |     |     |     |     | X   | X   |
| Wood Duck                  |     |     |     | X   | X   | X   | X   | X   | X   |     | X   |     |
| Gadwall                    | X   | X   | X   | X   |     | X   | X   |     | X   | X   | X   |     |
| American Wigeon            | X   | X   | X   | X   |     |     |     |     | X   |     | X   | X   |
| American Black Duck        | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Mallard                    | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Blue-winged Teal           |     |     | X   | X   |     | X   |     | X   |     |     |     |     |
| Northern Shoveler          | X   | X   | X   | X   |     |     |     | X   |     | X   | X   | X   |
| Northern Pintail           | X   | X   | X   | X   |     |     |     | X   | X   | X   | X   | X   |
| Green-winged Teal          |     | X   | X   | X   | X   |     |     | X   | X   | X   | X   | X   |
| Canvasback                 | X   | X   | X   | X   |     |     |     |     |     |     |     | X   |
| Ring-necked Duck           | X   | X   | X   | X   |     |     |     |     |     | X   | X   | X   |
| Tufted Duck                |     |     |     |     |     |     |     |     |     |     |     | X   |
| Greater Scaup              | X   | X   | X   |     |     |     |     |     |     |     |     |     |
| Lesser Scaup               | X   | X   | X   |     |     |     |     |     |     | X   |     | X   |
| King Eider                 |     |     | X   | X   |     |     |     |     |     |     |     |     |
| Common Eider               |     |     | X   |     |     |     |     |     |     |     | X   |     |
| Harlequin Duck             |     | X   |     |     |     |     |     |     |     |     |     | X   |
| Surf Scoter                | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| White-winged Scoter        |     |     |     | X   |     |     |     |     |     |     |     |     |
| Black Scoter               | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| Long-tailed Duck           | X   | X   | X   | X   |     |     |     |     |     |     | X   | X   |
| Bufflehead                 | X   | X   | X   | X   |     |     |     |     |     | X   | X   | X   |
| Common Goldeneye           | X   | X   | X   |     |     |     |     |     |     |     |     | X   |
| Hooded Merganser           | X   | X   | X   |     | X   |     |     |     |     |     | X   | X   |
| Common Merganser           |     | X   | X   |     |     |     |     |     |     |     |     |     |

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|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Red-breasted Merganser | X   | X   | X   | X   | X   |     |     |     |     |     | X   | X   |
| Ruddy Duck             | X   | X   | X   | X   |     | X   |     | X   |     | X   | X   | X   |
| Osprey                 |     |     | X   | X   | X   | X   | X   | X   | X   | X   |     |     |
| Bald Eagle             | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Northern Harrier       | X   | X   | X   | X   | X   |     |     | X   | X   | X   | X   | X   |
| Sharp-shinned Hawk     | X   |     |     |     |     |     |     |     |     | X   |     | X   |
| Cooper's Hawk          |     |     |     |     |     |     |     | X   | X   | X   |     | X   |
| Red-shouldered Hawk    |     | X   | X   |     | X   |     |     |     | X   | X   |     |     |
| Red-tailed Hawk        | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| American Kestrel       | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |     | X   |
| Merlin                 | X   |     | X   | X   |     |     |     |     |     |     |     |     |
| Peregrine Falcon       |     |     | X   |     | X   | X   | X   |     |     | X   |     | X   |
| Ring-necked Pheasant   |     |     | X   | X   | X   |     |     |     |     |     |     |     |
| Northern Bobwhite      |     |     |     |     |     | X   | X   |     |     |     |     |     |
| Clapper Rail           |     |     |     |     | X   | X   |     | X   | X   |     | X   |     |
| Virginia Rail          |     |     |     |     | X   |     |     |     | X   |     |     |     |
| Common Moorhen         |     |     |     |     |     | X   | X   |     |     |     |     |     |
| American Coot          | X   | X   | X   |     |     |     |     |     |     | X   | X   | X   |
| Black-bellied Plover   |     |     | X   | X   | X   |     |     | X   |     | X   | X   |     |
| American Golden-Plover |     |     |     | X   | X   |     |     | X   |     |     |     |     |
| Semipalmated Plover    |     |     |     |     | X   |     | X   | X   | X   | X   |     |     |
| Piping Plover          |     |     | X   |     |     |     |     |     |     |     |     |     |
| Killdeer               |     | X   | X   | X   | X   | X   | X   | X   | X   |     | X   | X   |
| American Oystercatcher |     |     | X   | X   | X   | X   | X   | X   |     |     |     |     |
| Black-necked Stilt     |     |     |     |     | X   | X   | X   | X   |     |     |     |     |
| American Avocet        |     |     | X   | X   |     | X   | X   | X   | X   | X   | X   |     |
| Greater Yellowlegs     |     |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Lesser Yellowlegs      |     |     | X   | X   | X   | X   | X   | X   | X   | X   | X   |     |
| Solitary Sandpiper     |     |     |     |     | X   |     | X   | X   |     |     |     |     |
| Willet                 |     |     |     | X   | X   | X   |     | X   |     |     |     |     |
| Spotted Sandpiper      |     |     |     |     | X   |     | X   | X   | X   |     |     |     |
| Ruddy Turnstone        | X   |     |     | X   | X   |     | X   | X   | X   |     | X   | X   |
| Red Knot               |     |     |     |     | X   |     |     |     |     |     |     |     |
| Sanderling             | X   | X   |     | X   | X   |     | X   | X   | X   | X   | X   | X   |
| Semipalmated Sandpiper |     |     |     |     | X   | X   | X   | X   | X   | X   |     |     |
| Western Sandpiper      |     |     |     |     |     |     |     | X   | X   | X   |     |     |
| Least Sandpiper        |     |     |     | X   | X   |     | X   | X   | X   | X   |     |     |
| White-rumped Sandpiper |     |     |     |     |     |     |     | X   | X   |     |     |     |
| Baird's Sandpiper      |     |     |     |     |     |     |     |     | X   |     |     |     |
| Pectoral Sandpiper     |     |     |     | X   | X   |     |     | X   | X   | X   |     |     |
| Purple Sandpiper       | X   |     |     | X   |     |     |     |     |     |     |     | X   |
| Dunlin                 | X   | X   | X   | X   | X   |     |     |     | X   | X   | X   | X   |
| Stilt Sandpiper        |     |     |     | X   |     |     | X   | X   | X   | X   |     |     |
| Ruff                   |     |     |     | X   |     |     |     |     | X   |     |     |     |
| Short-billed Dowitcher |     |     |     | X   | X   | X   | X   | X   | X   |     | X   |     |
| Long-billed Dowitcher  |     |     |     |     |     |     |     |     |     | X   |     |     |
| Wilson's Snipe         | X   |     |     |     | X   |     |     | X   |     |     |     |     |
| Wilson's Phalarope     |     |     |     |     |     |     | X   |     | X   |     |     |     |
| Laughing Gull          |     |     | X   | X   | X   | X   | X   | X   | X   | X   | X   |     |

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| Little Gull                   |     |     |     | X   |     |     |     |     |     |     |     |     |
| Bonaparte's Gull              |     | X   | X   | X   | X   |     |     |     |     | X   | X   | X   |
| Ring-billed Gull              | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Herring Gull                  | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Great Black-backed Gull       | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Gull-billed Tern              |     |     |     |     |     |     | X   | X   |     |     |     |     |
| Caspian Tern                  |     |     |     | X   | X   | X   | X   | X   | X   | X   |     |     |
| Royal Tern                    |     |     |     |     | X   | X   |     |     | X   | X   | X   |     |
| Common Tern                   |     |     |     |     | X   |     |     |     |     |     |     |     |
| Forster's Tern                |     |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Least Tern                    |     |     |     |     | X   |     | X   | X   |     |     |     |     |
| Black Tern                    |     |     |     |     | X   |     | X   | X   | X   |     |     |     |
| Black Skimmer                 |     |     |     |     | X   | X   | X   | X   |     |     |     |     |
| Razorbill                     |     |     |     | X   |     |     |     |     |     |     |     |     |
| Rock Pigeon                   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Mourning Dove                 | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Yellow-billed Cuckoo          |     |     |     |     | X   |     | X   | X   |     |     |     |     |
| Eastern Screech-Owl           | X   |     | X   | X   |     |     |     |     |     |     | X   | X   |
| Great Horned Owl              | X   |     |     | X   | X   |     |     |     | X   |     |     | X   |
| Short-eared Owl               | X   |     |     |     |     |     |     |     |     |     |     | X   |
| Common Nighthawk              |     |     |     |     | X   |     |     |     | X   |     |     |     |
| Chuck-will's-widow            |     |     |     |     | X   |     |     |     |     |     |     |     |
| Chimney Swift                 |     |     |     |     | X   | X   | X   | X   |     |     |     |     |
| Ruby-throated Hummingbird     |     |     |     |     | X   |     | X   | X   | X   |     |     |     |
| Belted Kingfisher             | X   |     | X   | X   | X   |     |     | X   | X   | X   | X   | X   |
| Red-headed Woodpecker         |     |     |     |     | X   |     |     |     | X   |     |     |     |
| Red-bellied Woodpecker        | X   | X   | X   | X   | X   | X   | X   |     | X   | X   | X   | X   |
| Downy Woodpecker              | X   | X   |     |     | X   |     | X   | X   |     | X   | X   | X   |
| Hairy Woodpecker              |     | X   | X   | X   |     | X   |     |     |     | X   |     | X   |
| Northern Flicker              | X   | X   | X   | X   | X   | X   | X   | X   |     | X   | X   | X   |
| Pileated Woodpecker           |     |     |     |     | X   |     |     |     | X   | X   |     |     |
| Eastern Wood-Pewee            |     |     |     |     | X   | X   | X   | X   | X   |     |     |     |
| Acadian Flycatcher            |     |     |     |     | X   | X   |     |     | X   |     |     |     |
| Willow Flycatcher             |     |     |     |     |     | X   |     | X   |     |     |     |     |
| Least Flycatcher              |     |     |     |     | X   |     |     |     |     |     |     |     |
| Eastern Phoebe                |     |     | X   |     | X   |     |     |     |     | X   |     |     |
| Great Crested Flycatcher      |     |     |     |     | X   | X   | X   |     | X   |     |     |     |
| Eastern Kingbird              |     |     |     |     | X   | X   | X   | X   | X   |     |     |     |
| White-eyed Vireo              |     |     |     |     | X   | X   | X   | X   | X   |     |     |     |
| Yellow-throated Vireo         |     |     |     |     | X   | X   |     |     |     |     |     |     |
| Warbling Vireo                |     |     |     |     | X   |     |     |     |     |     |     |     |
| Red-eyed Vireo                |     |     |     |     | X   | X   | X   | X   | X   |     |     |     |
| Blue Jay                      | X   | X   | X   | X   | X   | X   |     |     | X   | X   | X   | X   |
| American Crow                 | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Fish Crow                     |     |     | X   | X   | X   | X   | X   | X   | X   | X   |     |     |
| Horned Lark                   | X   | X   | X   | X   | X   | X   |     |     |     |     | X   | X   |
| Purple Martin                 |     |     | X   | X   | X   | X   | X   | X   |     |     |     |     |
| Tree Swallow                  |     |     | X   | X   | X   | X   | X   | X   | X   | X   |     |     |
| Northern Rough-winged Swallow |     |     |     |     |     | X   |     |     |     |     |     |     |



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| Bank Swallow                 |     |     |     |     | X   |     | X   | X   | X   |     |     |     |
| Cliff Swallow                |     |     |     |     | X   | X   | X   |     |     |     |     |     |
| Barn Swallow                 |     |     |     | X   | X   | X   | X   | X   | X   |     |     |     |
| Carolina Chickadee           | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Tufted Titmouse              |     | X   | X   | X   | X   |     | X   |     | X   | X   | X   | X   |
| Red-breasted Nuthatch        |     |     |     |     |     |     |     |     |     |     | X   | X   |
| White-breasted Nuthatch      |     |     |     |     | X   |     |     |     |     | X   |     |     |
| Brown-headed Nuthatch        |     | X   |     |     |     |     |     |     |     |     | X   | X   |
| Brown Creeper                |     |     |     |     |     |     |     |     |     |     |     | X   |
| Carolina Wren                | X   |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| House Wren                   |     |     |     |     | X   | X   | X   | X   |     |     |     |     |
| Winter Wren                  |     | X   |     |     |     |     |     |     |     |     |     |     |
| Marsh Wren                   |     |     |     |     | X   | X   | X   | X   | X   |     |     |     |
| Golden-crowned Kinglet       |     |     |     | X   |     |     |     |     |     |     | X   | X   |
| Ruby-crowned Kinglet         |     |     |     |     | X   |     |     |     |     | X   | X   |     |
| Blue-gray Gnatcatcher        |     |     |     | X   | X   |     | X   | X   |     |     |     |     |
| Eastern Bluebird             | X   | X   | X   | X   | X   | X   |     |     |     |     | X   | X   |
| Veery                        |     |     |     |     | X   |     |     |     | X   |     |     |     |
| Gray-cheeked Thrush          |     |     |     |     | X   |     |     |     |     |     |     |     |
| Swainson's Thrush            |     |     |     |     | X   |     |     |     |     |     |     |     |
| Hermit Thrush                |     |     |     |     |     |     |     |     | X   |     | X   |     |
| Wood Thrush                  |     |     |     |     | X   | X   | X   |     |     |     |     |     |
| American Robin               | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Gray Catbird                 |     |     |     |     | X   | X   | X   | X   | X   | X   |     |     |
| Northern Mockingbird         | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| Brown Thrasher               | X   | X   |     |     | X   | X   | X   | X   | X   | X   |     |     |
| European Starling            | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| American Pipit               | X   |     |     |     |     |     |     |     |     | X   | X   | X   |
| Cedar Waxwing                | X   | X   |     |     | X   | X   |     | X   |     |     |     | X   |
| Blue-winged Warbler          |     |     |     |     | X   |     |     |     |     |     |     |     |
| Tennessee Warbler            |     |     |     |     | X   |     |     |     |     |     |     |     |
| Northern Parula              |     |     |     |     | X   |     |     |     |     |     |     |     |
| Yellow Warbler               |     |     |     |     | X   | X   |     |     | X   |     |     |     |
| Chestnut-sided Warbler       |     |     |     |     | X   |     |     |     |     |     |     |     |
| Magnolia Warbler             |     |     |     |     | X   |     |     |     | X   |     |     |     |
| Black-throated Blue Warbler  |     |     |     |     | X   |     |     |     |     |     |     |     |
| Yellow-rumped Warbler        | X   | X   |     | X   | X   |     |     |     |     | X   | X   | X   |
| Black-throated Green Warbler |     |     |     |     | X   |     |     |     |     |     |     |     |
| Blackburnian Warbler         |     |     |     |     | X   |     |     |     |     |     |     |     |
| Yellow-throated Warbler      |     |     |     | X   |     |     |     |     |     |     |     |     |
| Pine Warbler                 |     |     | X   | X   |     | X   | X   |     |     |     |     |     |
| Prairie Warbler              |     |     |     |     |     | X   |     |     |     |     |     |     |
| Palm Warbler                 |     |     |     |     |     |     |     |     |     | X   |     |     |
| Bay-breasted Warbler         |     |     |     |     | X   |     |     |     |     |     |     |     |
| Blackpoll Warbler            |     |     |     |     | X   |     |     |     |     |     |     |     |
| Cerulean Warbler             |     |     |     |     | X   |     |     |     |     |     |     |     |
| Black-and-white Warbler      |     |     |     |     | X   |     |     |     | X   |     |     |     |
| American Redstart            |     |     |     |     | X   |     |     |     | X   |     |     |     |
| Ovenbird                     |     |     |     |     | X   | X   |     |     |     |     |     |     |

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|--------------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Louisiana Waterthrush          |           |           |            |            | X          |            |            |            |            |            |            |            |
| Common Yellowthroat            |           |           |            |            | X          | X          | X          | X          | X          | X          | X          |            |
| Canada Warbler                 |           |           |            |            | X          |            |            |            |            |            |            |            |
| Yellow-breasted Chat           |           |           |            |            | X          | X          | X          |            |            |            |            |            |
| Scarlet Tanager                |           |           |            |            | X          | X          |            |            | X          |            |            |            |
| Eastern Towhee                 |           | X         |            | X          | X          | X          | X          | X          | X          | X          |            |            |
| American Tree Sparrow          | X         | X         |            |            |            |            |            |            |            |            |            |            |
| Chipping Sparrow               |           |           |            | X          | X          | X          | X          | X          |            | X          | X          |            |
| Field Sparrow                  | X         | X         | X          | X          | X          | X          | X          | X          |            | X          | X          | X          |
| Savannah Sparrow               | X         | X         | X          |            | X          | X          |            |            |            | X          | X          | X          |
| Saltmarsh Sharp-tailed Sparrow | X         |           |            |            |            |            |            |            |            |            |            |            |
| Seaside Sparrow                |           |           |            |            | X          | X          |            |            |            |            | X          |            |
| Fox Sparrow                    | X         | X         |            |            |            |            |            |            |            |            | X          | X          |
| Song Sparrow                   | X         | X         | X          | X          | X          | X          | X          | X          | X          | X          | X          | X          |
| Lincoln's Sparrow              |           |           |            |            |            |            |            |            |            | X          |            |            |
| Swamp Sparrow                  | X         |           | X          |            | X          | X          | X          | X          | X          | X          | X          | X          |
| White-throated Sparrow         | X         | X         | X          | X          | X          |            |            |            |            | X          | X          | X          |
| White-crowned Sparrow          | X         | X         |            |            | X          |            |            |            |            | X          |            | X          |
| Dark-eyed Junco                | X         | X         | X          | X          |            |            |            |            |            | X          | X          | X          |
| Lapland Longspur               |           | X         | X          |            |            |            |            |            |            |            | X          |            |
| Snow Bunting                   | X         |           | X          |            |            |            |            |            |            |            |            |            |
| Northern Cardinal              | X         | X         | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |
| Rose-breasted Grosbeak         |           |           |            |            | X          |            |            |            |            |            |            |            |
| Blue Grosbeak                  |           |           |            |            | X          | X          | X          | X          | X          | X          |            |            |
| Indigo Bunting                 |           |           |            |            | X          | X          | X          | X          | X          | X          |            |            |
| Dickcissel                     |           |           |            |            | X          |            |            |            |            |            |            |            |
| Bobolink                       |           |           |            |            | X          |            |            | X          | X          |            |            |            |
| Red-winged Blackbird           | X         | X         | X          | X          | X          | X          | X          | X          | X          | X          | X          | X          |
| Eastern Meadowlark             | X         | X         | X          | X          | X          | X          |            |            |            |            | X          | X          |
| Common Grackle                 | X         | X         | X          | X          | X          | X          | X          | X          | X          | X          | X          | X          |
| Boat-tailed Grackle            | X         | X         | X          | X          | X          | X          | X          | X          |            | X          | X          | X          |
| Brown-headed Cowbird           | X         | X         | X          | X          | X          | X          | X          | X          |            | X          | X          | X          |
| Orchard Oriole                 |           |           |            |            | X          |            |            |            |            |            |            |            |
| Baltimore Oriole               |           |           |            |            | X          |            |            | X          |            |            |            |            |
| Purple Finch                   |           |           |            |            |            |            |            |            |            | X          | X          |            |
| House Finch                    | X         | X         | X          | X          | X          | X          | X          | X          | X          | X          | X          | X          |
| American Goldfinch             | X         | X         | X          | X          | X          | X          | X          | X          | X          | X          | X          | X          |
| House Sparrow                  | X         | X         | X          | X          | X          | X          | X          | X          | X          | X          | X          | X          |
| <b>Totals</b>                  | <b>89</b> | <b>87</b> | <b>103</b> | <b>115</b> | <b>161</b> | <b>105</b> | <b>102</b> | <b>110</b> | <b>110</b> | <b>102</b> | <b>102</b> | <b>100</b> |

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