

# THE 2009 BIG DAY REPORT

It is my pleasure to present the 2009 ABA Big Day Report. Despite brutal economic conditions the past year, folks managed to still get out of the house and enjoy nature, while also enjoying a bit of the competitive spirit! I always take velleity in reading the Big Day summaries some submit, especially the planning (or the lack thereof), the maneuvers developed pre-Big Day, and those last-second route alterations that can lead to victory or befall the day to despair.

Although all Big Days are noteworthy, annual smatterings are monumental and gain prominence. Foremost in 2009 were the new total record Big Days in Alberta and Vermont. Outstanding was the June achievement of Tom Hince and Paul Pratt who not only surpassed the previous Alberta record, but beat it by 120.6 percent, besting the standing 8-year total by a whopping 29 species! To the south, Pat and Ken Ward beat their own record for Vermont when they tagged 177 species during their Big Day in May.

Various monthly totals were also squelched in 2009, with four coming from Canada and 12 from the U.S. In spite of the conviction that Big Days have been conducted for decades, it is perplexing that many provinces and states have no Big Days for some months. Notwithstanding missing monthly totals for Nunavut, the Northwest Territories and the Yukon (and I might give some winter month reprieve to North Dakota...), six provinces and 11 states have been delinquent in attempting Big Days for various months. keystones of that hall of shame include Saskatchewan with eight vacant months and North Dakota with seven (sorry North Dakotans but my reprieve waned). With these remarks, I have supreme confidence that I'll be filling in all empty month cells for each province and state about this time next year!

It is also interesting to note the many records that have held the test of time - those records that cannot be bested. There are four provinces and 16 states that have all-time Big Day records that have held true during the past 10 years. Of the 16 states, 10 have all-time records unscathed for the past 20 years.

California, with its champion Big Day occurring in 1978, stands firmly in the Big Day longevity record. One wonders whether these records are tenacious because they are indeed virtually impossible to break or because ousting them at least appears to be untenable and Big Dayers are intimidated to try.

As always, I hope you enjoy reading the accounts and updates and for those attempting Big Days in 2010, I wish you a successful and safe competition.

Larry Semo  
ABA Big Day Editor

## OMMISSIONS AND ERRORS

For the most part, this compilation is based on Big Day reports submitted from 2009. I apologize to the team of Scott Schuette, Joe Eades, Jim Malone, and Josh Uffman who, in 2007, bested the June record for Missouri. Other non-2009 submissions include North Carolina #1 (February 2008) and Ethiopia (June 2008).

## Housekeeping

Per ABA Big Day rules, certain information is necessary of Big Day submissions for acceptance and publishing. Please remember to completely fill out each Big Day form, including mileage, starting and ending times, locations visited, and importance codes for species of note. Incomplete, inaccurate information or failure to comply with the 95% rule may result in the decision to not recognize the record.

## Explanation of Terms

**Species of Note:** A Species of Note is either one that you didn't expect to get but did, or one that you counted on but failed to see.

In the former category are birds you considered you had virtually no chance of seeing during your Big Day. A **Vagrant (V)** is any species which occurs less than

## 2009 Big Day Contender's Table

% 2009 Target Total >95%  
Listed in Descending Order

Area	Date	Total	Pct. TT	Rank
AB	2-Jun	207	120.6	1
VT	31-May	177	108.1	2
NY	20-May	198	99.3	3
MD	24-May	200	99.2	4
MB	23-May	208	98.4	5

annually in the state, province, or country of your Big Day; a **Rare (R)** species is less than annual along your chosen route, but may be more common elsewhere in your state, province, or country; an **Early (E)** or **Late (L)** species is one that is Rare due to being unusually tardy or early. An (S) in the accounts indicates that the rarity or vagrant had been **Staked Out** prior to the Big Day. A (#) indicates an unusually high number of any particular species.

In the latter category are birds that you consider virtually guaranteed, such that you did not specifically plan for them on your Big Day. These are Code 2 birds (no one should ever miss a Code 1 bird). More quantitatively, a **Big Miss (M)** is a species you had a 95% or better chance of seeing along your route at that time of year (i.e., you expect to see the species on at least 19 attempts out of 20), but which you inexplicably missed.

**Target Totals:** To compare the relative result of each individual count, a TARGET TOTAL (TT) for each province and state is calculated. The TT is the average of the top three counts for a given region, up until the end of the previous year. They can be found in the Champion Big Day summary tables. TTs are not calculated for counts that are intrinsically uncompetitive due to imposed restrictions (single-county, walking, etc); that take place outside the "ideal" time of year; or whose Grand Total is less than 75% of the TT.

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## **Abbreviations:**

CA – Conservation Area

Co – County

CP – County Park

Mtn – Mountain

NF – National Forest

NP – National Park

NWR – National Wildlife Refuge

PP – Provincial Park

Pt – Point

Res – Reservoir

SF – State Forest

SL – Sewage Lagoon/Pond/Plant

SP – State Park

SWA – State Wildlife Area

WMA – Wildlife Management Area

WR – Wildlife Refuge/Area/Sanctuary

WTP – Water Treatment Plant

**ALBERTA** – 2 Jun 09- 0013 to 2240 – Species Totals 207/204; (Team/Shared): Tom Hince 206, Paul Pratt 205. 680 Miles by car, 1 mile by foot. *Visiting:* Cold Lake, Jessie Lake, Kehewin Lake, Gooseberry Lake PP, Red Deer River valley, Cypress Hills, Pakowki Lake. *Species of Note:* Lapland Longspur (L), MacGillivray's Warbler (M).

*Comments:* This Big Day represents a new record for the province of Alberta and the fourth highest Big Day total in Canada. Only one other province (Manitoba) has exceeded this total.

We scouted the southern half of the province briefly and then slapped together a route based mostly on breeding birds in the Cold Lake area. We had set the provincial record with Tom Plath in 2001 with 178 species, but the weather was horrible that year and we really felt that we had not really reached anywhere near the potential for this awesome province.

We spent three full days in late May scouting around Cold Lake and we even got a chance to help out a bit with the Cold Lake spring bird count. I think during those three days we recorded a cumulative total of around 175 species. This gives an idea of how diverse this area is in late May and early June. Undoubtedly, the scouting highlight was seeing three small groups of Sabine's Gulls totaling 12 birds on Cold Lake.

We decided to make our attempt on June 2nd. After a brief evening sleep, we awoke around 11 pm and primed ourselves with what else but Tim Horton's coffee (bought before and reheated as the Tim's was closed!) and a high protein fix of sausages and eggs.

On our last attempt in 2001 the night birding was pathetic. On this night however, we came up trumps at almost every site. We recorded Long-eared, Barred and Northern Saw-whet owls, Yellow, Virginia and Sora rails, Sedge and Marsh wrens, Connecticut Warbler, Pied-billed Grebe, Sandhill Crane, American Bittern and a dizzying array of nocturnal ticks by 4 am. Most surprising was a widespread passage of Lapland Longspurs at almost every stop for the first five hours of the day. By the time we spotted a Common Nighthawk over Cold Lake at 4 am, our species total had reached 52.

As it began to get lighter, we worked a series of stops around Cold Lake Provincial Park, Ethel Lake Road and English Bay. Everything fell in to place though our schedule was being stretched a little by the cold morning and reluctance of birds to chime off with their usual vigor. Our scouting paid off well when our bog spot produced both Palm and Nashville warblers pushing us over the century mark at 5:40 am. From here we began to fill in the list with several stops to view Cold Lake itself. This added a good variety of waterbirds including White-winged Scoter, Red-breasted Merganser and Bonaparte's Gull.

We were a bit worried about a key stop near Ethel Lake where we had scouted Alder and Olive-sided flycatchers, Wilson's Warbler and Solitary Sandpiper. Both of us fully expected that these all might have been migrants, as the habitat looked a bit suspect. However, it turned out to be one of those magical Big Day moments when all four species were found within moments of arrival!

It was now 7:15 am and time to leave this section and head towards Bonneyville and Jessie Lake – a well known area for migrant shorebirds. Past Big Days in this area have had widely varying success at these sites depending upon the vagaries of migration. En route we made a stop at a stake-out colony of Cliff Swallows. During scouting we had seen hundreds flying around a large bridge but we were disappointed not to see one! This forced us to 'waste' valuable time parking and walking back to the bridge to scan the river. That turned out to be a good decision as not only did we get the swallows but a fly-by Northern Goshawk!

As we entered Bonneyville we stopped to scan some fields that had a flock of fifteen American Golden Plovers a few days prior. We knew it was a long shot. Just as I was about to pull away, Paul spotted them way back in the field - high fives! This was a good sign as it might mean the shorebirds present at Jessie Lake would still be lingering. Ten minutes later we were at the lake adding a good selection of shorebirds including Black-bellied Plover and Baird's, Stilt and White-rumped sandpipers. We had a number of good shorebirds stops in the southern part of our route, but we knew conditions there could be difficult due to heat haze and wind. This really took a lot of pressure off.

Our next stop was an area of aspen parkland near Kehewin Lake. A quick ten minute stop there netted most of the targets including Great Crested Flycatcher, Philadelphia Vireo and Veery. We were elated with our morning success and we left here on time at 9:55 am with a massive morning haul of 159 species!

Now we began the long drive to our next stop at Gooseberry Lake Provincial Park. When we arrived at the turn off we were running about ten minutes late. Tom suggested cutting the site completely, but fortunately Paul forced a compromise by reducing our time there from a half hour to twenty minutes. This proved to be a critical decision. On the entrance road to the park we made a stop to check out a suspicious sparrow. The investigation turned up a singing Grasshopper Sparrow, plus Sprague's

Pipit, Horned Lark and Lark Sparrow! And our quick run around the park added seven more species including Red Knot, Piping Plover and Red-necked Phalarope. We left the park at 12:30 pm, on time, and with our total at 175 species – only three short of the record!

Now it was time look for wire and post birds as we drove through miles of open prairie. This produced Western Kingbird, Upland Sandpiper and Ferruginous Hawk, which tied the record. A singing Brown Thrasher was heard at 1:18 pm to set a new provincial record. We still had a ton of potentials before us and began to wonder just how high we might be able to push the record. Dare we think that the 200 barrier could be reached?

There was no time for celebrating though as we still had a lot of ground to cover. At 2:15 pm we arrived at our badland location. Despite the steadily rising temperatures, there were only light winds and the conditions were perfect. Again our scouting paid off well, and some good spotting by Paul picked American Kestrel, soon to be followed by Say's Phoebe, Ring-necked Pheasant, Rock Wren, Violet-green Swallow, Spotted Towhee, Northern Rough-winged Swallow and Yellow-breasted Chat – bringing the total to 190 and it was still only 2:48 pm!

Now it was time to pay our dues, and for the next several hours a lot of driving only added a few birds before we arrived at Cypress Hills Provincial Park around 6:15 pm with 196 species. This was an area we had not scouted well but we knew we had some time and the species we needed were fairly common and widespread. White-crowned Sparrow and Red-naped Sapsucker were quickly added, but there was no sign of MacGillivray's Warbler (and indeed we would miss this). While pishing to drum up some ridge above! Not long after we hit the magical 200 barrier with Wild Turkey and then passed it with Dusky Flycatcher.

Now we began a mad dash over to Pakowki Lake, scanning desperately as we drove across the beautiful prairie landscape towards the setting sun. Some quick stops added Baird's Sparrow, McCown's Longspur and several Golden Eagles. Our day finished at the lake with a surprise Burrowing Owl, followed by White-faced Ibis and lastly several Black-crowned Night Herons. We made a few unproductive stops on our way back to our hotel to try for Common Poorwill, but happily settled for a grand total of 207 species.

To say this exceeded our expectations would certainly be an understatement. In reviewing the list, we knew we had a pretty much perfect day, with perfect weather. Still we do believe that there is still room to improve on this total – and perhaps break the Canadian record (held in Manitoba) – something to mull over on those long winter nights!

**MANITOBA #1** – 28 May 09- 0000 to 2315 – Species Totals 208/198; (Team/Shared): Cal Cuthbert 203, Ken De Smet 201, Rudolf Koes 202, Peter Taylor 201, Adam Walley 205. 1183 Kilometers by car, 7 kilometers by foot. *Visiting:* Douglas Marsh, Riding Mountain NP, Alonsa area, Brandon, Souris, Pierson/Lyleton area, Dand, Whitewater Lake. *Species of Note:* Tundra Swan (L,S), Gray Partridge (M), Cattle Egret (M), Black-bellied Plover (M), American Golden-Plover (M), Semipalmated Plover (M), Sanderling (M), Buff-breasted Sandpiper (R), Great Crested Flycatcher (M), Harris's Sparrow (L), Black-headed Grosbeak (R), Northern Hawk-Owl (R,S).

*Comments:* Midnight found us at Douglas Marsh, on a calm, clear and mild night. Yellow Rails were ticking left and right, Virginia Rails and Soras called, and so did Nelson's Sparrows and Sedge and Marsh wrens. An excellent start! Near Brandon, we added Eastern Screech-Owl followed by an hour's drive to just south of Riding Mountain NP where a staked-out Great Gray Owl and a Northern Saw-whet were heard, followed by a Barred Owl in the park itself. We were ahead of schedule, and with time to spare we decided to make a long detour to the Alonsa area for Northern Hawk-Owl. En route, American Bittern, American Woodcock, and Whip-poor-will were heard. It had become quite windy and cold, with a bit of drizzle from an overcast sky, which kept bird activity down as we reached the Agassiz Ski Hill Road at 5 a.m. Flycatchers and many warblers were still very scarce after the cold spring we'd had and trees were only beginning to leaf out. Still, we managed to find Pileated Woodpecker, Ruby-throated Hummingbird, Philadelphia Vireo, Golden-winged and Canada warblers and a host of other species, so that by 7 a.m. our tally was up to 78. Next we returned to Riding Mountain NP, getting most of our "wanted" birds, although we dipped on Osprey and Spruce Grouse. During our search for the latter bird, we though we had lost Cal in a thick spruce stand, as he did not respond to our calls and honking of the horn. He was safe and sound and not lost at all, but it showed us how little distance sounds carry in dense forest. Bonus birds were Sandhill Crane and Solitary Sandpiper, plus a second Great Gray Owl, which flew ghost-like in the distance across Whirlpool Lake.

At noon, we left the park and headed back to Brandon for a vehicle switch, with 132 species in the bag. At the Brandon dump, we found our only Herring and California

gulls, while in town Adam was the only one to get a brief glimpse of a Peregrine. The

Weather had improved dramatically: around 20° C, mainly sunny, with light winds. The drive to the extreme southwest of the province was rather uneventful, but once we arrived in the Pierson/Lyleton area, new species came rapidly: Ring-necked Pheasant, a pair of Ferruginous Hawks (including a gorgeous chocolate-brown female), Cackling Geese, a wild Canada Goose x Greater White-fronted hybrid (we didn't count it...or should it count for ½?!), Burrowing Owl, Say's Phoebe, Willow Flycatcher, Eastern and Mountain bluebird, Sprague's Pipit, Baird's Sparrow, and so on. Near Melita, Cooper's Hawk and Long-eared Owl were on nests found earlier by Ken. Then along the Souris River, a male Black-headed Grosbeak, a provincial rarity, was on territory for the fourth year in a row. In the Dand area, we found lingering Snow and Ross's Geese, plus some shorebirds. Amongst them were a few Buff-breasted Sandpipers that made up for the other shorebird species that were missing today. By the time we reached Whitewater lake, we were running out of possible birds, not to mention our gasoline supply, so we had to hoof it to Boissevain to get fueled up before the pumps closed at 10 p.m. We all got fresh coffee at the store. Adam claimed he had charmed the young clerk into donating it to our cause, but I think it may have had something to do with the imminent closure of the store...

Our final tally for the day was 208 species, which tied the 3<sup>rd</sup> highest count for the province, set last year. At the same time, it was the highest count ever for the Baillie Bird-a-thon, which we were participating in as the guest "celebrity" team, the Manitoba All-Stars. During this effort, over \$11,000 was raised for Bird Studies Canada.

**MANITOBA #2** – 1 Dec 09- 0730 to 1735 – Species Totals 37/35; (Team/Shared): Brad Carey 36, Larry de March 37, Rudolf Koes 38, Peter Taylor 36. 464 Kilometers by car, 4 kilometers by foot. *Visiting:* Winnipeg area, Maple Creek Road, Highway 11, Victoria Beach, Highway 59, Lockport, Oak Hammock Marsh. *Species of Note:* Tundra Swan (L,S), Harlequin Duck (R,S), American White Pelican (L,S), Double-crested Cormorant (L,S), Short-eared Owl (L), Fox Sparrow (L), Lincoln's Sparrow (L), Harris's Sparrow (L,S).

*Comments:* The team actually detected 38 species during the day. However, to comply with the 95% rule, one species was removed from their team total. Even still, the 37 species hereby published is a record-high number for a Manitoba December Big Day and the team noted that with proper preparation and more luck 40+ is easily attainable.

**ONTARIO** – 27 Apr 09- 0600 to 1700 – Species Totals 111/105; (Team/Shared): Erwin Batalla 112, Bruce Ripley 112, Arthur Rowe 106. 325 Kilometers by car, 8 kilometers by foot. *Visiting:* Prince Edward Point National Wildlife Area, Amherst Island. *Species of Note:* Sandhill Crane (R), Orange-crowned Warbler (R), American Black Duck (M), Great Crested Flycatcher (E).

*Comments:* The team actually observed 113 species during the day, but the team deducted two species so as to conform to the 95% rule.

**PRINCE EDWARD ISLAND #1** – 28 Mar 09- 0330 to 1600 – Species Totals 51/50; (Team/Shared): David Seeler 50, Dwaine Oakley 51. 282 Kilometers by car, 1 kilometer by foot. *Visiting:* PEI. *Species of Note:* Ross's Goose (R).

*Comments:* This establishes a new ABA March record for Prince Edward Island.

**PRINCE EDWARD ISLAND #2** – 5 Dec 09- 0300 to 1630 – Species Totals 69/68; (Team/Shared): David Seeler 68, Dwaine Oakley 69. 354 Kilometers by car, 2 kilometers by foot. *Visiting:* PEI. *Species of Note:* none.

*Comments:* This represents a new ABA December record for Prince Edward Island.

**ALABAMA #1** – 4 May 09- 0255 to 1924 – Species Totals 165/160; (Team/Shared): Damien Simbeck 165, Jeff Garner 160, Steve McConnell 164. 175 Miles by car, 0.5 miles by foot. *Visiting:* Lauderdale County, Waterloo, Oakland Marsh, Cypress WTP, Wilson Dam, Colbert County, Town Creek marsh and point, Wheeler Dam. *Species of Note:* Pacific Loon (R), Willow Flycatcher (R).

*Comments:* After 14 years, the right weather and migrational conditions came together for us and we easily broke the previous May Alabama record.

**ALABAMA #2** – 30 Aug 09- 0535 to 1800 – Species Totals 129/126; (Team/Shared): Damien Simbeck 128, Jeff Garner 127, Steve McConnell 127. 142 Miles by car, 0.5 miles by foot. *Visiting:* Lauderdale, Colbert, and Lawrence counties. *Species of Note:* Lesser Black-backed Gull (R), Alder Flycatcher (R), Olive-sided Flycatcher (R), Swainson's Warbler (R).

*Comments:* This represents a new August record for Alabama. The team reported that it was a basic route that followed their record-breaking May path. Significant summer rains provided good habitat for waders and waterbirds (for once!). The team broke their own previous August Alabama record by 27 species!

**COLORADO #1** – 6 Jun 09- 0000 to 2340 – Species Totals 183/183; (Team/Shared): Mark Peterson 183, Brad Steger 183. 565 Miles by car, 1 mile by foot. *Visiting:* Pryor, Cordova Pass, Orland Res, John Martin Res, Bent County marshes. *Species of Note:* Loggerhead Shrike (M), Canyon Towhee (M), Lark Bunting (M), Stilt Sandpiper (E), Hepatic Tanager (R,S).

**COLORADO #2** – 12 Sep 09- 0000 to 2000 – Species Totals 161/160; (Team/Shared): Mark Peterson 161, Brad Steger 160. 460 Miles by car, 1 mile by foot. *Visiting:* Oak Creek Grade, Ophir Creek Road, Greenhorn Mtn, Rye/Colorado City, Orlando Res, Maria Res, Rocky Ford area, Cheraw, Fort Lyon. *Species of Note:* Neotropic Cormorant (R,S), Ruby-throated Hummingbird (R,S), Long-billed Dowitcher (M).

**ILLINOIS** – 12 May 09- 0300 to 2000 – Species Totals 165/163; (Team/Shared): David Bohlen 164, Vernon Kleen 163, Robert Randall 164, Pat Ward 164, Tony Ward 162. 254 Miles by car, 2 miles by foot. *Visiting:* Spunky Bottoms, Siloam Springs SP, Meredosia Wetlands, Beardstown Wetlands, Emiquon NWR. *Species of Note:* Greater Scaup (R), Least Bittern (M), Osprey (M), Red Knot (R), Herring Gull (M), Eastern Screech-Owl (M), Pileated Woodpecker (M), Veery (M), 10+ migrant warbler species (M), Vesper Sparrow (M), Henslow's Sparrow (M), Swamp Sparrow (M), Bobolink (M), Western Meadowlark (M).

*Comments:* The 2009 Adams Bird-a-thon/Olympic event was conducted on Tuesday, May 12th. Initiated in 1981, this year's event was the 26th year in which it was successfully completed. The 2009 team was Pat Ward (driver and provider of the vehicle), Robert Randall, Tony Ward (provider of the food), Dave Bohlen and me. My alarm went off at 1:55 am. I left for Jacksonville at 2:15 am and arrived at the McDonald's meeting location at 2:50 a.m. Pat was already there. Tony and Dave showed up a few minutes later and we picked up Bob at his home shortly after 3:00. It took us about ½ an hour to get to our first "birding" stop (in Cass County) and to "hear" our first bird, a calling Whip-poor-will. Birds 2, 3, 4 and 5 soon followed - Henslow's and Grasshopper sparrows, an American Woodcock and Great Horned Owl. We tried, several times for Eastern Screech-Owl but never did get one all day. Unlike past years, the morning seemed to be ideal, clear, calm and 49 degrees. The initial feeling was we may be in for a good day.

The goal was to be at Siloam Springs for the dawn chorus. So, the next stops en route were the Beardstown Marsh and the Morgan County wetlands (a fair amount of driving and birding before the 5:30 dawn). At Beardstown we found both Sora and Virginia rails, both Marsh and Sedge wrens, Green and Great Blue herons, Tree Swallows and Common Nighthawk; on the way to Morgan County we added Black-crowned Night-Heron and American Bittern (what an interesting call this bird has). At the wetlands, we could see (in the moonlight) a couple of Black-necked Stilts, a pair of Blue-winged Teal, and lots of American Coots; we could also hear a Pied-billed Grebe. And of course, Canada Geese! Other species added during the early morning hours were Northern Mockingbird, Brown Thrasher and Gray Catbird.

After Morgan County, we bee-lined to Siloam Springs SP (Adams and Brown counties). It was here we anticipated great "land-birding" and it started off very hopeful. We picked up a few warblers (Golden-winged, Tennessee, and Yellow-rumped), but something was wrong. It was just too quiet - the migrants weren't singing. We could hear the chorus of resident species and some of the newly-arrived breeders, but where were the migrants? The list kept growing - Red-eyed Vireo, Eastern Phoebe, Eastern Wood-Pewee, Great Crested Flycatcher, Blue-gray Gnatcatcher, Chipping Sparrow, Rose-breasted Grosbeak, Indigo Bunting, but where were the migrants? It was time for the 6:00 a.m. tally:

52 species - still on course for a possible record-setting day. The next two hours were spent in areas that are usually very productive, even on bad days. We continued to add resident and other newly-arrived breeding species (Wild Turkey, four woodpeckers, Ruby-throated Hummingbird, Summer and Scarlet tanagers, Acadian Flycatcher, Eastern Towhee, Warbling and Yellow-throated vireos, Northern Parula, Yellow, Yellow-throated, Kentucky and Black-and-white warblers, American Redstarts, Ovenbirds, plus a few migrants (Yellow-billed Cuckoo, Least Flycatcher, Ruby-crowned Kinglet, Swainson's and Gray-cheeked thrushes, Black-throated Green, Nashville and Magnolia warblers, White-throated and White-crowned sparrows); but birds should have been both plentiful and singing and they weren't. At 8:00 a.m., the goal for a really good day would be 100 species; today it was 96 - and should have been 110 or more based on past years experiences; but we still had high expectations. On the way out of the park, we added Blue-winged Warbler and Olive-sided Flycatcher - but missed other anticipated species. Immediately outside the park we picked up Blue Grosbeak, Orchard Oriole, Dickcissel, and Field Sparrow. We even found our first House and Eurasian Tree sparrows.

Side roads back to Morgan County were not that productive, but we did find both Rock Pigeon and Eurasian Collared-Doves in Meredosia. Back to the Morgan County wetlands - site 1: a few shorebirds (primarily yellowlegs and Spotted Sandpipers); site 2 - (where we had stopped earlier in the morning), we refound the stilts, added Semipalmated Plover, Cattle Egrets, a Mute Swan and a Willet. Along the levee road we chased up a couple of Great Horned Owls, added Red-headed Woodpecker and Northern Waterthrush. At other locations we added Prothonotary Warbler and Bell's Vireo. The 10:00 a.m. total was a respectable 124 species.

From 10:00 a.m. on we were birding in backwater areas on the west side of the Illinois River. First it was Spunky Bottoms (Brown County); here we added Common Moorhen, but not much else. In a flooded field we found a few species of ducks (Northern Shoveler, Ring-necked and Greater Scaup), a Black-bellied Plover and some Caspian Terns; at another location we added Northern Pintail and Great Egret; and, we were finally able to add both Sharp-shinned and Cooper's hawks and a Belted Kingfisher. About 4:00 p.m. we arrived in the Emiquon area just west of Havana and now had a species list of 152. From 3-4 viewing stops at Emiquon, we managed to do extremely well: an American White Pelican, a Green-winged Teal and Redhead, Bonaparte's and Ring-billed gulls, Black, Common and Forster's terns, but, most importantly, several new shorebirds - Short-billed Dowitchers, Ruddy Turnstone, Stilt Sandpiper, and Wilson's Phalarope. And thanks to Dave Bohlen's persistence, we saw a Red Knot (which wasn't fully confirmed until the next day when another birder with a better view reported it at the same location.) By now it was after 7:30 with only another hour of daylight remaining. We began the trek back to Jacksonville with a few stops along the way. The only highlight on the return trip was the Ring-necked Pheasant, which had been missed by some earlier in the day. We concluded the day at about 8:00 p.m. and got back to Jacksonville about 8:30.

So the final 2009 tally was 165 species. However, there's an interesting side-note to this story. About 2:00 in the afternoon, we got a call (via cell-phone) from Dr. Mike Ward (University of Illinois and Pat's son) about a phenomenon that happened overnight. He and his staff had radio-tagged a bunch of plovers and songbirds during the past two weeks and were monitoring them on a nightly basis; all the radio-tagged birds (and presumably all the other migrants that were holding over for the past several days) got up and left Monday night, hence, the explanation for our lack of birds.

As for the weather, the temperature ranged from a low of 49 degrees to a high in the 60's; it was calm during the early morning hours but winds picked up and were in the 10-15 mph range by noon and even stronger in the late afternoon. The sky was originally clear at dawn but changed to mostly cloudy by 9:00, partly cloudy at 11:00 and clear again at noon.

We SHOULD HAVE SET THE RECORD. We did very well in the duck, shorebird and tern departments. So what more might we have gotten (major misses in boldface)? A loon, another grebe, Least Bittern, one or two more small herons/egrets, Osprey, Northern Harrier, Broad-winged Hawk, Peregrine Falcon, another rail, six or more shorebirds, Wilson's Snipe, two or more gulls, another cuckoo, Eastern Screech-Owl, Chuck-will's-widow, Pileated Woodpecker, two more vireos, Bewick's Wren, Veery, American Pipit, up to twelve more warblers (our primary misses), Henslow's, Vesper and Swamp sparrows, Western Meadowlark and Pine Siskin. Again, we SHOULD HAVE been able to set the record.

*Acknowledgments:* We especially thank Pat Ward who did all of the driving in his POV (254 total miles); Tony Ward (who shared food with everyone), Dave Bohlen and Bob Randall. And, obviously, we thank everyone who supported the bird-a-thon team with either a direct contribution or a pledge per species. The annual bird-a-thon goal is to raise about \$2000 in an effort to continue the quality educational programs at and sponsored by the Adams Wildlife Sanctuary for children in Sangamon and surrounding

counties. [For the record, more than \$33,000 has been raised through the annual bird-a-thon effort since its inception.]

**MAINE** – 26 May-09- 0400 to 2200 – Species Totals 121/115; (Team/Shared): Robert Milardo 117, Bruce Barker 120. 200 Miles by car, 0 miles by foot. *Visiting*: Greater Bangor, Penjawoc Area, Mount Desert Island. *Species of Note*: Prairie Warbler (R), Cliff Swallow (M).

*Comments*: The team actually observed 122 species during the day. However, to comply with the 95% rule, one species was deducted from their grand total. This is the 25<sup>th</sup> annual Big Day this team has participated in.

**MARYLAND #1** – 3 Jan 09- 0000 to 2200 – Species Totals 134/133 (Team/Shared): Jim Brighton 134, Bill Hubick 134, Ron Gutberlet 133, Mikey Lutmerding 134. 335 Miles by car, 0.5 miles by foot. *Visiting*: Tanyard Marsh, Elliot Island Road, Fairmount WMA, Salisbury Landfill, Ocean City Inlet, Assateague Island SP, Deal Island. *Species of Note*: Lark Sparrow (R,S).

*Comments*: At midnight on Saturday (January 3), I joined Jim Brighton, Mikey Lutmerding and Ron Gutberlet in an insane, impromptu attempt to break Maryland's January Big Day record. Our fourth member wasn't even confirmed until late on Friday afternoon and we managed about three hours of sleep between the four of us. Our rough itinerary was negotiated en route with useful advice and a sanity check from Matt Hafner. And then there we were, standing in a cold, quiet marsh at midnight.

Our goal was to locate 139 species in 24 hours to break the record of 138 species set by Jim Stasz, Matt Hafner, Marshall Iliff, and George Armistead. We came remarkably close, finding 134 species in what was one of the most hilarious and exhausting days of birding we've ever spent.

Our best birds included King Eider, Harlequin Duck, King Rail, Sora, Common Moorhen, "Western" Willet, Thayer's Gull, Iceland Gull, Northern Saw-whet Owl, five wrens, Vesper Sparrow, Lark Sparrow, and Seaside Sparrow.

The night was fairly quiet, but marked by several exceptional finds. Beginning in Caroline County, we picked up Virginia Rail at our first stop, and were then shocked to hear a calling Common Moorhen at a reliable breeding location. A Wilson's Snipe called as it flushed. We continued south and spent a lot of time stopping and listening along Elliott Island Road, where the three expected owl species were vocal and at least one Clapper Rail spoke up to be counted. Our first Eastern Screech-Owl flew in quickly to a whistled imitation, and when briefly viewed by flashlight, we saw it was a beautiful red morph. We left the Dorchester marshes with 12 species.

We had decided to spend dawn in the western Somerset marshes, so we used the last hour of darkness to search that area. We were lucky to hear a wintering Sora originally found by Ron and Mike Walsh near Fairmount WMA, and even more so to hear a Northern Saw-whet Owl in a nice patch of cedars. As we hurried to our dawn location in Fairmount, we were at 14 species with three especially good birds in the bank.

In place well before dawn, we found another *rara avis*, Señor Jim Stasz, keeping vigil over the marsh. We told him that of course he couldn't tell us about any birds, but this typically isn't a great risk from holders of the current record.

Pre-dawn and dawn at Fairmount was very productive, with many skulking species vocal for a few minutes right at dawn. It is really cool to pick up Marsh Wren, Sedge Wren, and especially Seaside Sparrow (2) in January. As the sun peaked over the horizon, of course the tempo quickly accelerated, and I hardly stopped writing: BCNH, SOSP, BUFF, SWSP, GRYE, MODO, NOHA, TRES... By the time we finished scanning the waters around Frenchtown for bay ducks, we were at 60 species.

On our way to the birdy fields and hedgerows of eastern Somerset, we picked up an immature Red-shouldered Hawk and an Eastern Phoebe, both missable species. The next 50 minutes were to be our most productive of the day, and between Vessey Orchard, Coventry Parrish Road, and vicinity we added 23 new species. Among these were three Wood Ducks, a flock of Snow Geese (strangely tough in Somerset), House and Winter wrens, Vesper Sparrow, two Merlins within a few seconds of each other, Hairy Woodpecker, Palm Warbler, Rusty Blackbird, and the continuing (now wintering) Lark Sparrow. The activity was so consistent here that we decided to delay leaving. We were getting not only missable birds, but also many of the woodland species we'd need in the Pocomoke. We made the right choice to not leave a decidedly birdy area. We were at 93 species at 10:00 a.m.

We decided that we couldn't pass up the good gulls at the Salisbury Landfill, and so we headed north. A flock of Canada Geese at the Stockton Road turf farm, just south of Salisbury also held two Richardson's Geese. Both were just south of Passerdyke Creek, and so in Somerset County. En route, we reviewed our unusual situation and what species we could reasonably pick up in the Pocomoke. It would be great to make up some time, and we were somehow missing only a few woodland species: Pileated Woodpecker, Brown Creeper, and Golden-crowned Kinglet. We figured that we'd pick up the

latter somewhere along the way (nope), and Ron told us he'd had the former two and Red-breasted Nuthatch in his yard just yesterday. We rolled the dice and invested 15 minutes to route to Ron's backyard. None of these species showed, but we did pick up our only Sharp-shinned Hawk.

The landfill was good to us, with three species of rare gull located quickly, the original first-cycle Thayer's Gull, a first-cycle Kumlien's Gull, and four Lesser Black-backed Gulls. On our way to Ocean City, we spotted an American Kestrel along Route 50 (#99).

We had roughly three hours before we had to be leaving Ocean City for our dusk spot at Deal Island. We worked a fairly typical route through favorite Ocean City spots, and our luck was good but not perfect. At the Ocean City Inlet, we found the two continuing King Eiders as well as the female Harlequin Duck. A Forster's Tern was plunging in the inlet, while 25+ Bonaparte's Gulls worked near the end of the jetty. Northern Gannets were scoped in the distance. At South Point, the Eurasian Collared-Doves were nowhere to be seen, but we added Greater Scaup to the tally. Jim pushed for a quick stop at the Assateague SP parking lot for Red-breasted Nuthatch, and for one smiled upon us. The Bayside Development Pond helped clean up our duck list, including Redhead, but held out on Eurasian Wigeon. West Ocean City Pond held our only Canvasbacks, as well as a single drake Green-winged Teal. With a few extra minutes, we added a second check of Eagle's Nest Campground and were rewarded with a close "Western" Willet.

Adrenaline is pumping. It's 3:10 p.m. and we are at 127 species. We need 12 to win and 11 to tie. We have some painful misses, but we also have a lot of rarities. If the dusk heron flight is good, we should have it.

A flock of 200 Common Grackles flies over Route 50 east of Salisbury (#128). We stop to check the hack tower at Deal for Peregrines, but instead spot a large bird perched in a treetop in the distance. A scope check verifies that it is a Short-eared Owl (#129). We're still missing a few waterbirds, and incredibly, the needs list includes Double-crested Cormorant. Fortunately, a brief stop at the Chance Inlet cleans up that awful near-miss (#130). As we pull away, the window of opportunity for White-winged Scoter, Great Cormorant, and Brown Pelican is closed.

OK, single digits to win and dusk at Riley Roberts Road holds many possibilities. As we scan the first open area, we are relieved that one of the three swans is a Mute Swan (#131). At the end of the road, we again join Mr. Stasz, who knows that time is running out. As we walk out along the dike, he asks how many we need. "Eight to win!" I yelled back over my shoulder, just as Mikey points out flying bittern. "Seven!" I amend.

It's a beautiful dusk. A constant stream of Black-crowned Night-Herons passes overhead, and at least six American Bitterns make short-distance flights across the marsh. At one point we had the pleasure of comparing the two species' "wuck" calls side-by-side. Hooded Mergansers are croaking nearby, the sound reminiscent of Pickerel Frog, and elsewhere we hear the "ndik" calls of Gadwall. A Short-eared Owl hunts the surrounding area, and a Horned Grebe casts a silhouette on an orange mirror. We pick up Clapper Rail and Marsh Wren. But where are the egrets? Seriously, not ONE Boat-tailed Grackle?

Finally, we catch a break and Mikey gets us on a distant Tricolored Heron (#133). A Great Horned Owl is calling as we walk back to the car, sighing.

We want the record, though, and it technically can be done. We still need American Woodcock and Barn Owl. Black Rail could happen, and of course a Lesser Yellowlegs might vocalize at any marsh stop. We have spots for King Rail. We review the many options, including a return to the western shore. The next five hours required pure grit. We slowly drove promising roads for woodcock, and we did a lot of listening. We did pick up two King Rails in Worcester County (#134).

By the end of the night, the sleep deprivation was taking its toll. I think Jim and Mikey had a full conversation in their sleep. At one point Jim mumbled "There are gulls..." and later murmured something about "the impoundments." At one point we were laughing so hard that half of us were literally crying. We learned that with enough Red Bull and Rockstar, we make a pretty good beatbox quartet.

We ended with 134 species, quite a miracle for such a ridiculous, impromptu effort. It was an epic, unforgettable day.

**MARYLAND #2** – 24 May 09- 0000 to 2400 – Species Totals 200/192; (Team/Shared): Zach Baer 200, Jim Brighton 198, Ron Gutberlet 192, Matt Hafner 198, Bill Hubick 197, Mikey Lutmerding 197. 500+ Miles by car, 2 miles by foot. *Visiting*: Finzel Swamp, Backbone Mtn, Garrett SF, Swallow Falls SP, Lilypons, Egypt Road, Ocean City Inlet, Skimmer Island, Elliot Island Road. *Species of Note*: Tundra Swan (L,S), Surf Scoter (L), American White Pelican (L,S), American Bittern (R), Peregrine Falcon (M), Common Moorhen (M), Lesser Yellowlegs (M), Iceland Gull (L,S), Glaucous Gull (L), Yellow-bellied Sapsucker (R), Brown Creeper (M), Wood Thrush (M), Yellow-throated Warbler (M).

Minutes before midnight on Sunday, May 24th, six of us are standing in the drizzling rain in a parking lot in Cumberland. Common Nighthawks are flying overhead, calling,

easily visible as they hunt in the lights around two nearby church steeples. When our cell phones register 12:00 a.m., the nighthawks become the first species tallied in our attempt to break the all-time Maryland Big Day record. We quickly pile into the van, an awkward routine we will repeat over 100 times during the next 24 hours. Heading west optimistically, the team is me [Bill Hubick], Zach Baer, Jim Brighton, Ron Gutberlet, Matt Hafner, and Mikey Lutmerding.

Our goal is to top the Maryland Big Day record of 214 species, which was set on May 22nd, 2002 by Marshall Iliff, Jim Stasz, Matt Hafner, and Andrew Farnsworth. The team has a lot of Big Day experience: Matt Hafner was a member of the record-setting team, and most of us are veterans of the World Series of Birding. We've been scheming for months, scrutinizing every detail. Could we really drop Deal? Can we really skip the Nassawango? We create an unconventional 6-person team, risking "5%" species for the benefit of more scouting, more eyes, and more fun. We've dedicated several days to full-time scouting and our route seems sleek and polished. As we head west, spirits and adrenaline levels are high. Our cooler is full of Dr. Pepper and Rockstar. Matt is making last minute adjustments to Excel spreadsheets. Over the next 24 hours, this route morphs into an epic, unforgettable day of birding.

We feel good leaving Cumberland with our first target species so easily checked off. As we push west on I-68, we begin to have mixed feelings about the drizzling rain. Although some birds might be silent, the light rain could translate to a productive night migration. During our August Big Day in 2008, we experienced an impressive flight under just such conditions.

Our second stop is a brief visit to Old Legislative Road, where we listen quietly for the "Shtlllk" calls of Henslow's Sparrows. These creatures seem to sing all night long during the nesting season, and in just a few minutes, another target is in the bag. A Field Sparrow sings. Our first night migrant Indigo Bunting passes over, calling. Jszzhht!

Our next stop is Finzel Swamp in Garrett County. The drizzle is now more accurately labeled as rain. The marsh is quiet. A Slimy Salamander spotted on a fallen log retreats to its hideout. As we walk the trail into the marsh, we detect Swamp Sparrows singing, then a calling Black-billed Cuckoo. The impressive Spring Peeper chorus is complicating our listening, so we continue further in. We've built in time to listen here, but we are growing concerned about the rain. Soon there's no denying it—it is really coming down. We decide to skip ahead to our next stop, hopefully dodge the worst rain, and return.

We cruise down to St. John's Rock, one of Mikey's reliable locations for Whip-poor-wills. The bird lets us worry for a couple minutes and then pipes up with spirit despite the rain. Before returning to Finzel, we add a night stop at Piney Res for the kind of diabolical innovation that makes us love Big Days. My theory is that we can identify the pair of lingering Lesser Scaup by the lights of the dam, allowing us to save a critical 10-15 minutes of daytime birding. We spot their silhouettes easily with binoculars and within seconds we are taking turns scrutinizing them in the scope. We become the first humans in history to view a pair of Lesser Scaup by telescope at 1:30 a.m. in late May in Garrett County, Maryland. Barred Owls are calling. The Sora I found here this afternoon does not respond to our whistled imitations and this is a playback-free Big Day. Sora have been quite reliable at Finzel in recent years, but none of us has had them there since migration.

Returning to Finzel, we are relieved to find that the rain has significantly calmed. The night sounds have increased, and as we walk out, we hear Common Yellowthroats, a Wood Duck calling as it takes flight, and Yellow-billed Cuckoos. Night migrants are passing over quite low, probably due to the weather. Most are calling Yellow Warbler-like zeeet notes, almost certainly all Blackpoll Warblers. Among the night migrants are several Black-billed Cuckoos (my favorite flight calls) and Matt hears a call he would have identified as Blue Grosbeak were it not such a rarity in Garrett County. There are outbursts of song from an Ovenbird, an Alder Flycatcher, and an Eastern Screech-Owl. Whip-poor-wills begin calling in the distance. We leave with 17 species and a lot of night ahead of us.

We move on to our western Garrett route, which includes traditional nesting locations for Northern Saw-whet Owl. Listening for saw-whet territories was part of my scouting responsibilities, and the job was complicated despite the area's remoteness by Friday night traffic. I cupped my ears against the trucks and peepers and eventually met with success. Tonight they are difficult at first, but we all hear them and depart on schedule. By the time we reach our dawn spot, we have 28 species, highlighted by an American Bittern, displaying American Woodcock, Virginia Rails, singing Grasshopper Sparrows, and a night migrant Gray-cheeked Thrush.

Dawn. The misty dawn finds us on a remote, alternate access to Backbone Mtn, where Mikey has staked out several of Maryland's most restricted breeders. As we drive up in the dawn twilight, a Hermit Thrush and several Slate-colored Juncos flush from the road. We step from the van for the chaotic excitement of dawn, but the chorus is subdued in the gloomy weather. This is a relative statement, however, and I'm scribbling quickly: EATO, CSWA, RBGR, BCCH, BAWW, VEER, CEDW, BLPW, SCTA, AMRE, CORA, BTNW,

WIWR... Winter Wrens are singing in the distance, but it takes a couple team members until the drive back out to hear this lovely song. We get a taste of the dangers of a 6-person team. Most songs are not immediately heard by all six of us. Only half of us hear the calling turkey, which could have easily been our only one for the day. On an official Big Day, no more than 5% of a team's sightings can be detected by fewer than all observers. Any species beyond that 5% does not count in a team's total. We quickly have far more 5% birds than we would like. Fortunately, we stay focused on this detail and clean up more quickly than we add them for most of the day.

It's time to roll, but the singing Mourning Warbler that Mikey found yesterday is silent or has moved on. Already we are facing that endless Big Day dilemma. Wait and get it vs. wait, miss it anyway, and get behind schedule. Minute-by-minute schedule slippage is the downfall of most Big Days. We reluctantly decide to wait, maybe because certain coveted species are worth the risk for their morale value. We wait. Some of us cup our ears. Someone sighs. There! Zach and I hear the bird sing clearly a bit further back than expected. We listen closely for it to sing again, but quickly decide it's time to move on. A Winter Wren sings right beside the road at one of Mikey's many backup territories. An incredible highlight comes when a Yellow-bellied Sapsucker mews its distinctive call nearby. Yellow-bellied Sapsucker is one of Maryland's rarest and most local breeding species, and we are extremely excited. We exchange high-fives and exclamations of disbelief as we descend Backbone Mtn. We're at 56 species.

We're feeling great, but now the clock is really ticking. We run an incredibly streamlined route through the Greater Pleasant Valley area, barely stopping to pick up staked out Red-headed Woodpeckers (Pleasant Valley Road) and cruising right past Garrett County's only known Purple Martin colony (leave nothing to chance). We pick up Bobolink, Cliff Swallow and Savannah Sparrow. Bird songs and flybys are picked up at 35-50 mph, often announced with excitement not typically associated with the species -Yellow Warbler! Grackle! - followed by "Got it" in stereo. A nesting pair of American Kestrels would be key. Matt pulls out our Upland Sandpiper at the last second. My nemesis species in scouting was Vesper Sparrow and even Mikey's reliable backup location is quiet. We'll have to rely on Matt's Frederick bird.

Oakland can be productive for migrants, feeder birds, and the latest rarity or lingering waterfowl at Broadford. On my first full-state Big Day on May 4, 2005, I saw my lifer Red Crossbills on John Boone's feeders. This year, scouting dictates just two stops. We twitch Spotted and Solitary sandpipers at Mountain Lake and then hit Broadford for a lingering Ruddy Duck. A closed south gate means painful runs both downhill and then back up. Ruddy Duck, Eastern Wood-Pewee, Brown Thrasher, Gray Catbird, and Tufted Titmouse bring us to 82 species.

Next up is Mikey's tailored route through Garrett SF and Swallow Falls SP. The list of key targets in this area is long and we quickly whittle down the list. Each stop is based around at least one territory for a key species. Most are cooperative: Golden-crowned Kinglet, Myrtle Warbler, Hooded Warbler, Blackburnian Warbler, Canada Warbler, Purple Finch, and Pine Siskin. The latter was a serious concern, as hours of scouting around favorite nesting areas had turned up none until Mikey found them here yesterday. Half of the group gets brief views of a pair of Broad-winged Hawks. All of Mikey's Red-breasted Nuthatch spots hold only White-breasted, until a calling bird at the Swallow Falls parking lot puts an end to thoughtful comments like "Are you SURE you know the difference between their calls?" Black-throated Blue Warbler has us slightly concerned for a while, but this year's real nemesis is Brown Creeper. Despite at least five stops where Mikey had found singing birds, they simply would not cooperate. As we move east, the chances of lucking into this species diminish rapidly, and it becomes our first true miss.

Frank Brenneman Road provides cooperative singing Cerulean Warblers, but holds out on the singing Kentucky and Worm-eating warblers that Mikey found during scouting. We probably failed to notice singing Wood Thrush here, which would ultimately become our horrifying worst miss of the day. This species is so widespread and vocal that it wasn't even mentioned during endless scouting discussions. We stop for a few moments at New Germany SP just in case fate was tempted to offer us the territorial Sharp-shinned Hawk that Mikey encountered last week. Our last stop in Garrett is a very brief return to Finzel to pick up a reliable Northern Waterthrush and in hopes of migrants such as Lincoln's Sparrow or Olive-sided Flycatcher. A calling Wild Turkey is a nice clean-up species, but no other surprises await us here.

Passing through Allegany County, we agonize over the time investment to swing by Old Legislative Road, but at least our only Golden-winged Warbler is instantly cooperative. Despite much scouting at virtually every location where we have had Golden-winged Warblers in Garrett County, none were found during scouting. It was quite disconcerting. At Rocky Gap, my stake-out hen Ring-necked Duck is nowhere to be found, but a Yellow-throated Vireo continues in the small migrant trap along the south shore. As we return to eastbound I-68, we notice a soaring raptor replacing its inner primaries, an immature Broad-winged Hawk. Cooper's Hawks are unpredictable Big Day birds if you don't have a nest staked out, but we spot our first of four along this stretch

as well.

The next hour of driving is spent strategizing, scanning the skies, and remembering to eat. Caffeine levels are maintained at safe levels, except for Mikey, who is speaking in Swahili and break-dancing from at least 14 energy drinks. We enter the scouting domain of Matt Hafner, the Frederick-Montgomery corridor.

Our first stop is a success, and I breathe a sigh of relief as Matt's back-up Vesper Sparrow sings moments after our arrival. We call out our first Northern Mockingbirds and Carolina Wrens at 40 mph. On Oland Road, our clean-up Horned Lark is perched boldly on the tallest corn stalk. We find another Cooper's Hawk.

Lilypons has hosted all manner of key Big Day species over recent weeks, but many of them have been unreliable. A calling Least Bittern is wonderfully cooperative, but other hoped-for species are much less so. Despite Matt making us run all the way across the gardens, we do not turn up the American Coot, Common Moorhen, or Hooded Mergansers. On the positive side, our significant time investment nets several important birds: three Red-shouldered Hawks, Belted Kingfisher, Warbling Vireo, and Prothonotary Warbler. A Sora responds to whistled imitations, but is heard only by Matt and Mikey (5% bird). Leaving Lilypons, we make brief stops along back roads and stream crossings, where Matt has nailed down a number of key nesting species. A stakeout Blue-winged Warbler on Sugarloaf Mtn Road is especially satisfying, as this species is the bane of many Big Day routes. A Kentucky Warbler sings on cue, but our Louisiana Waterthrushes have turned on us. We invest too much time, always knowing one would have to be at the next stream crossing. Finally half of us hear a distant bird singing, which we are forced to 5%. We also pick up an overdue Hairy Woodpecker, which had somehow eluded us in Garrett County. I can't imagine there have been many seven woodpecker days in Maryland on May 24th!

Our last two stops before the long drive to the Bay Bridge are for our back-up Hooded Mergansers and our staked out Yellow-crowned Night-Heron. On May 20, Andy Martin reported a Hooded Merganser with six young at a stormwater pond at the intersection of I-270 and Route 27 (thanks, Andy!). We monitored this site as a perfect, on-route back-up for Hooded Mergansers, but there was a problem. Each visit, there were fewer young mergansers. By May 22, there were just three remaining young, and that rate of predation meant we might be in trouble. We scanned the shallow pond thoroughly but found no ducks. Obstinate, I insist on scoping the pond to make absolutely certain. We start to pull away, very disappointed, when Mikey notices a second pond. There, against the near shore, almost out of view, is the hen Hooded Merganser with a single remaining youngster. Nature is harsh, but hopefully the one hangs in there. We lose 15 minutes to a missed turn in suburban Montgomery County, but we pick up our Yellow-crowned Night-Heron and keep pushing east. Bay Bridge bound, we are more than 30 minutes behind schedule. There is a strange mix of anxiety and excitement in the air as we were at 138 species.

Finally we approach the Bay Bridge, and the promise of a surge of new birds livens up the group. We hurry to spot the first Osprey. We agree that we can't afford the 15-minute detour for Peregrines on the Severn River, so we intensely scan along the Bay Bridge. No joy. Still, our morale goes up as we call out Laughing Gull, Bald Eagle, Herring Gull and Snowy Egret. We enter the scouting territory of Zach Baer, where our hopes are pinned on lingering ducks. We start off on a positive note, tapping the brakes to pick up nesting Mute Swans at Kent Narrows. It is a testament to the success of control efforts that successful Big Days runs should now actively plan for this species.

Zach scouted both species of scaup at Cabin Creek, and we arrived in time to watch a large duck being pursued by an adult Bald Eagle. Scopes are trained, but we're having trouble with the identity because it is diving for its life. When it catches a break, we identify it as an unexpected Surf Scoter, and then find a second Surf Scoter nearby. A Pine Warbler is singing behind us and we then get Least Tern, Fish Crow and American Black Duck. As we depart, a Wild Turkey runs down the road awkwardly then veers wildly right.

We then begin a torturous series of misses, constantly, painfully aware of the schedule. Gloomy, overcast weather compounds our concern for our handful of remaining passerines. The Ring-necked Duck is a no-show at Easton, but at least our Bank Swallows are swirling around the treatment pond. In a moment of staring off, considering our options, I note my first fledged European Starling of the year. Zach's lingering Bufflehead in Cambridge gives us the slip.

We enter the stomping ground of our official Big Day driver, Jim Brighton. Many readers know that Jim is well-positioned to beat the current Maryland Big Year record (300 species on May 25), but I think he has an eye on the Dorchester title as well. Lest anyone accuse him of sleeping, he recently paid Hafner a visit in Florida, completing a successful 28-hour solo chase of the Greater Sand-Plover. He has been scouting for weeks, and he must be feeling a tad bit of pressure at the moment. Game on.

He takes us down Cambridge roads I've never seen and then suddenly we're on Egypt Road. He points out dry fields where he's had hundreds of shorebirds less than two

weeks ago. An ideal shorebird landscape has become grim in this area practically overnight. For reasons we don't comprehend, the best shorebird pool at Blackwater, so recently teeming with shorebirds, has been drained to bone dry. We're lucky to find our only Semipalmated Sandpipers on one of the Egypt Road impoundments, but we can't buy a single yellowlegs. We still have spots, but now every stop is considered for the chopping block.

Our Blackwater loop is hacked down to two brief stops for Big Day rarities, the lingering Tundra Swan and the single American White Pelican. The latter has not been seen moving for weeks, and during each visit Jim has texted us about the ominously increasing number of Bald Eagles sitting beside it. As we cruise past it without tapping the brakes, we have a unique conversation about whether it is safe to assume the bird is alive. The winning arguments are along the lines of, "Seriously, there's no way it would be sitting upright with its head tucked like that" and "Yeah, something would have eaten it... it would just be a pile of feathers."

Jim expertly guides us, selecting one-minute stops for our remaining passerine targets. We pick up a single silent male Summer Tanager and a roadside Blue Grosbeak. In a throwback to the record-setting Big Day, Brown-headed Nuthatches try to evade us, but they are finally tracked down. A considerate Worm-eating Warbler sings for us at an unexpected location and saves us precious minutes.

We have high hopes for Bestpitch Ferry, a brief but vital marsh stop. We hop out of the van to the sounds of singing Marsh Wrens, followed quickly by Seaside Sparrows. These are almost impossible to miss night species on Elliott Island in May, but the additions to the list feel good. Ron picks out Jim's stakeout Northern Harrier hunting in the distance, which is critical. Alas, there are no shorebirds here.

Between quick stops, we create a list of our easy misses and begin strategizing about remaining stops. We come to the shocking realization that we do not have Wood Thrush or White-eyed Vireo. We are far enough behind schedule that we begin a debate about what needs to be cut. We all know that reaching the coast too late is suicide, but we also don't want to forfeit our staked out Snow Geese, Yellow-throated Warblers, and Northern Bobwhite. As we discuss, fortune smiles upon us and someone spots the sneaky, unreliable pair of Blue Geese that have been seen occasionally around Griffith Neck Road. We're divided on the optimal strategy and settle for a compromise, hitting a few unscouted spots just off the direct route to Ocean City. We get lucky with Jim's pick for White-eyed Vireo on Kraft Neck Road. Before Salisbury, we scope the Borrow Pit from the eastbound shoulder of Route 50 in hopes of Wilson's Snipe or yellowlegs. Instead, we pick up five Glossy Ibis. Our final riparian stops for Wood Thrush and Yellow-throated Warbler are quiet.

Well, we have some painful misses, but the coast offers endless possibilities. If we avoid traffic, we'll begin our seawatch almost on schedule. Traffic stops for a minute on the Route 50 Bridge and already we're calling out the expected terns: Forster's, Common, and Royal. We avoid serious Memorial Day weekend delays and are soon in place, racking up coastal species. After quickly noting expected Purple Sandpipers, American Oystercatchers, and Sanderlings, the good birds come steadily. A Brant is bobbing along the south jetty, while a Common Loon is intermittently visible as it hunts along the far side. A Piping Plover feeds in the surf on north Assateague, while the roosting gull flock holds the continuing first-cycle Iceland Gull and an adult Lesser Black-backed. Zach makes an excellent spot, picking out a high-flying Black Skimmer near the mouth of the inlet, followed by three more. Despite extensive squinting into the distance, no one picks out a Northern Gannet, shearwater, or Brown Pelican.

We grudgingly pull ourselves away from the inlet to make our way to Eagle's Nest (now Castaways; permission to visit kindly received) before ending the day at Skimmer Island. We arrive at the campground to find the tide higher than expected, adding only easy species expected at Skimmer Island: Great Egret, Dunlin, and Short-billed Dowitcher. Our important bird finds us while we are northbound on Route 611, a very unexpected migrant Sharp-shinned Hawk.

Skimmer Island treats us well. The roosting gull flock is huge, and large flocks are still inbound. Waders are arriving in ones and twos, and, with Tricolored Heron and Black-crowned Night-Heron, we complete our sweep of Maryland's 11 nesting waders. There are plenty of shorebirds, the highlights of which are 24 newly arrived Red Knots. We're surrounded by the raucous calls of Boat-tailed Grackles. As we scrutinize the gulls, we tally at least eight Lesser Black-backs (3 adults, 3 third-cycles, and 2 first-cycles). We're all focused on pulling out key species. Is there a Red-breasted Merganser somewhere in the distance? Is there a gannet visible over the hotels of Ocean City? Has a pelican flown in undetected? Are there any large cormorants? Is there a Roseate Tern hiding among the terns? Matt and Mikey are chatting about Glaucous Gull details, and I finally realize this is a discussion of an actual candidate. I ask to be vectored in and am dumbfounded to see a perfect first-cycle Glaucous Gull, a shocking bird for late May. As we all get on it and nod in surprised agreement, the Iceland Gull arrives to roost, allowing a comparison that has certainly been made few times in May in Mary-

land. We depart with minutes of technically usable daylight, still thinking we might hear the dusk calls of a Wood Thrush or pick up our final staked-out American Coot.

At Berlin, a Great Horned Owl lands on a telephone pole, casting a sharp silhouette against the violet sky. The Green Tree Frog chorus is impressive. No coot. As the van turns back to the west, we know that the record has eluded us for this year. That said, the distinction of a 200 species Big Day in Maryland is motivation enough, and we are all still committed. En route, we reach a state of hilarity that is only achieved during Big Days and select other insane pursuits. We laugh until our stomachs hurt and our responses are high-pitched and unintelligible because we can't breathe.

At Old Bradley Road, a single stop nets us a singing Chuck-will's-widow. A June bug lands on Mikey as he gets in the van and he flails about so wildly that I literally almost die laughing.

We arrive at Elliott Island Road and find the marsh quiet. Jim and Ron have done a lot of scouting here recently and they are immediately concerned about the silence. Still, a Clapper Rail slowly keks nearby, and Virginia Rails grunt occasionally in the distance. With my most recent memories here being August and January Big Days, this doesn't seem so bad to me. We spend a lot of time quietly listening, each of us fighting personal battles with exhaustion. A Barn Owl shrieks in the distance. We reposition regularly, and finally Jim points out a Black Rail singing, followed by a second. We quietly enjoy them for many minutes. I record them on my tiny handheld recorder and am excited to hear that it worked. A night migrant Black-billed Cuckoo is an excellent bonus, a county bird for at least most of us, and only my second on the Eastern Shore. I'm tired. I have a point I want to make about Black Rails, but making words seems way too difficult. We fight through until true midnight, ultimately netting distant Gadwall and Black-necked Stilt. At midnight, we nod gravely. Two hundred feels good.

Although we didn't break the record, our total of 200 species was very satisfying. We were excited to join Hafner on the short list of insane birders who have seen 200 species in Maryland in 24 hours. I always knew 214 was a solid record, but I have new respect for it (and there is no sleep like the sleep after a Big Day).

**MISSOURI** – 1 Jun 07- 0000 to 2330 – Species Totals 140/135; (Team/Shared): Scott Schuette 137, Joe Eades 138, Jim Malon 138, Josh Uffman 139. 498 Miles by car, 2 miles by foot. *Visiting:* BK Leach CA, Busch CA, Clarence Cannon NWR, Cuivre River SP, Jones Confluence SP, Norton Woods Access, Riverlands Migratory Bird Sanctuary, Weldon Spring CA, Winfield Lock and Dam 25. *Species of Note:* Canvasback (L,S), Ring-necked Duck (L,S), Ruddy Duck (L,S), Osprey (L), Painted Bunting(R,S). *Comment:* This establishes a new June record for Missouri, beating the previous record by 15 species.

**MONTANA** – 1 Oct 09- 0707 to 1931 – Species Totals 100/100; (Team/Shared): Ed Harper 100, Robin Wolcott 100, Andrew Guttenberg 100. 161 Miles by car, 3 miles by foot. *Visiting:* Bozeman, Cherry River Fishing Access Site, Madison River, Ennis Lake, Harrison Res, Willow Creek, Three Forks Ponds. *Species of Note:* Downy Woodpecker (M), Hermit Thrush (M).

This was another Big Day confined to a latilong while at the same time establishing a new October record for Montana. A cold front hit Montana on September 30<sup>th</sup> after an extended series of record warm days earlier in the month. Temperatures plunged over 30 degrees and with the advent of the weather change, we decided to try a Big Day to see what might have been swept in with the storm. Snow blanketed many areas around Bozeman and bird activity was quite subdued. Away from Bozeman there was less snow and we dealt with temperatures ranging from 38 to 47 degrees F and east winds ranging from 5 to 15 mph. We reached our goal of 100 species but we fell short of what we felt was possible with some big misses. It seemed the cold front had pushed out some lingering species and new birds had not yet arrived. The finds of Mew Gull and Sabine's Gull, however, helped us better our old record of 98. A fun day where each new species encountered gave a boost to the Point Reyes Bird Observatory as part of a fund raiser; time well spent for a wonderful organization.

**NEW MEXICO #1** – 31 Jul 09- 0625 to 2105 – Species Totals 143/141; (Team/Shared): Marcy Scott 141, James Zabriskie 141. 347 Miles by car, 1.5 miles by foot. *Visiting:* Rattlesnake Springs, Slaughter Canyon, Lake Avalon, Brantley Lake, Bitter Lake NWR, Sacramento Mountains, Holloman Lakes. *Species of Note:* Canvasback (E,S), Tricolored Heron (S), Gray Hawk (R,S), Harris's Hawk (R,S), Common Ground-Dove (R,S), Belted Kingfisher (E), Warbling Vireo (M), Red-breasted Nuthatch (M), Bullock's Oriole (M).

*Comments:* Our aim was to top our previous July record of 138 and even with some annoying missed species and a flash flood that necessitated some hasty route adjustments, we managed to squeak by with 143.

**NEW MEXICO #2** – 11 Oct 09- 0430 to 1830 – Species Totals 128/124; (Team/Shared): Jim Paton 127, Marcy Scott 127, James Zabriskie 125. 252 Miles by car, 1 mile by foot.

*Visiting:* Swan Pond, Las Animas Creek, Bosque del Apache NWR, Elephant Butte Lake, Caballo Lake, Percha Dam SP, Uvas Valley playa. *Species of Note:* Brown Pelican (V,S), Stilt Sandpiper (L), Hutton's Vireo (R), Rock Wren (M), Brown Thrasher (R), Phainopepla (M), Hermit Warbler (R), Great-tailed Grackle (M).

*Comments:* We took a stab at beating our old record of 125 and tweaked our route a bit, sacrificing montane species so that we could hopefully pick up more waterbirds. Despite a few frustrating misses we managed to topple the record but only by a razor-thin margin.

**NEW YORK** – 20 May 09- 0000 to 2300 – Species Totals 198/197; (Team/Shared): Kevin C. Griffith 197, Dave Tetlow 198, Greeg Lawrence 198. 475 Miles by car, 1.8 miles by foot. *Visiting:* Iroquois NWR, Bergen Swamp, Hamlin Beach SP, Braddock Bay, Batavia SL, Finger Lakes NF, north end of Seneca and Cayuga lakes, Montezuma NWR, northern Montezuma Wetlands Complex, Soda Point. *Species of Note:* King Rail (R), Common Nighthawk (M), Common Goldeneye (L), Northern Shoveler (M), Red-necked Grebe (L), Common Tern (M), Horned Grebe (M), Iceland Gull (L), Rough-legged Hawk (L), Little Gull (L).

**NORTH CAROLINA #1** – 10 Feb 08- 0500 to 2015 – Species Totals 120/114; (Team/Shared): Brian Bockhahn 118, David Lenat 116. 200 Miles by car, 6 miles by foot. *Visiting:* Lake Phelps, Roanoke Island, Bodie Island, Oregon Inlet, Pea Island, Alligator River NWR. *Species of Note:* Common Eider (R), Black-chinned Hummingbird (R), Willet (M), Laughing Gull (M).

**NORTH CAROLINA #2** – 24 Nov 09- 0430 to 2130 – Species Totals 125/119; (Team/Shared): Brian Bockhahn 127, David Lenat 120, Ali Iyoub 125, Mathew Daw 124. 280 Miles by car, 7 miles by foot. *Visiting:* Lake Phelps, Roanoke Island, Bodie Island, Oregon Inlet, Pea Island, Cape Hatteras, Alligator River NWR. *Species of Note:* Brant (R), Great Cormorant (R), Tufted Titmouse (M), American Goldfinch (M).

*Comment:* This team actually detected 128 species during the day. However, to comply with the 95% rule, three species were deducted from their total.

**NORTH CAROLINA #3** – 10 Dec 09- 0500 to 2000 – Species Totals 132/129; (Team/Shared): Brian Bockhahn 131, Ali Iyoub 129, Mathew Daw 130. 200 Miles by car, 5 miles by foot. *Visiting:* Lake Phelps, Roanoke Island, Bodie Island, Oregon Inlet, Pea Island, Alligator River NWR. *Species of Note:* Common Eider (R).

**NORTH CAROLINA #4** (New Hanover County only) – 23 Dec 09- 0400 to 1815 – Species Totals 101/99; (Team/Shared): David Hueholt 100, Daniel Hueholt 100, William Hueholt 101. 60 Miles by car, 3 miles by foot. *Visiting:* Fort Fisher, Airlie Gardens, Wrightsville Beach, Greenfield Lake, USS North Carolina Memorial. *Species of Note:* Common Eider (R,S), Sharp-shinned Hawk (M), Brown Thrasher (M), Palm Warbler (M), Henslow's Sparrow (R).

**VERMONT** – 31 May 09- 0330 to 2130 – Species Totals 177/175; (Team/Shared): Pat Ward 176, Ken Ward 176. 278 Miles by car, 2.5 miles by foot. *Visiting:* Hawk View Road, Brandon, Arnold District Road, Pineview Cemetery, West Rutland Swamp, Dead Creek Wildlife Refuge, Route 6125 West, Forest Road 30, Goshen, Blueberry Hill, East Side, Lake Champlain, Northeast Route 2 Connecticut River, Champlain Islands, Button Bay, Market Road, Route 125. *Species of Note:* Northern Harrier (M), Western Meadowlark (V), Eurasian Collared-Dove (V), Spotted Towhee (V), Prothonotary Warbler (V), Black Vulture (V), Glaucous Gull (R).

*Comment:* This establishes a new Big Day record for Vermont, beating the previous record by 10 species!

**ETHIOPIA** – 3 Jun 08- 0500 to 2030 – Species Totals 155/155; (Team/Shared): Bernard Master 155, Ken Behrens 155. 56 Miles by car, 3 miles by foot. *Visiting*: Ankober Lodge, Mhelka Gebdue, Afar Plains, Awash NP. *Species of Note*: Blue-winged Goose (endemic and near-threatened), Common (Dodson's) Bulbul, Yellow-throated Serin (endemic).

**SWITZERLAND** – 2 May 09- 0500 to 2100 – Species Totals 125/121; (Team/Shared): Mark Gawn 123, Richard Prior 125, Mike Bowman 121. 150 Kilometers by car, 4 kilometers by foot. *Visiting*: Jura Mtns (St. Georges), Foret de chenes, Preverenges, Charvonay, Yverdon, Fanel ASPO Reserve. *Species of Note*: Great Black-backed Gull (R), Linnet (M), European Turtle Dove (M).

*Comments*: Having accidentally beaten the ABA Swiss Big Day record several weeks earlier, the team, two expatriate Brits and a Canuck, decided to see what would happen if we did a serious bird run. The strategy was simple: start off in the subalpine forests of the Jura Mountains and then hit a number of migrant hotspots around the big lakes in the central plateau, all in "Swiss Romand", which is the western, French-speaking part of the country. The weather was ideal, mostly sunny, but interrupted by a migrant-grounding storm in the mid afternoon. The mountains provided a chilly, slow start. At our first stop a usually reliable Eurasian Pygmy Owl declined an audience; a pair of duetting Tawny Owls helped relieve the gloom. Things picked up as we descended into warmer temperatures and more birds in the central plateau. Shorebirds, not usually a strong point in Swiss birding, were the surprise de jour, by the end of the day we had totaled 16 species. A lovely female Red-footed Falcon, cavorting with several Hobbys, was a pleasant surprise, and we lucked out with Eurasian Bee-eater that chose this particular day to return to one of their few Swiss breeding sites. The rarest bird of the day, ironically for a Canadian/UK team, was a Great Black-backed Gull; intrigue was added by a mixed Lesser Black-back/Yellow-legged Gull pair (which for several years have successfully fledged young). Can our record total be broken? Certainly; we did not include any high alpine sites, had few stakeouts, and did only an hour of predawn birding; an effort that did these things could yield a 150+ day.

**VIETNAM** – 5 Mar 09- 0630 to 1800 – Species Totals 116/112; (Team/Shared): Gail Mackiernan 114, Barry Cooper 112, Peter Colston 114, Peter Smith 112, Tony Quinn 113, Uthai Treesucon 116, Sally Wechsler 112. 250 Miles by car, 5 miles by foot. *Visiting*: Cat Tien NP (main park and Duc Lao sub-area), Phan Thiet Road, near Da Linh. *Species of Note*: Orange-necked Partridge (R).

Our last day in the beautiful lowland forest of Cat Tien NP was followed by a fine finish on the highland Phan Thiet Road, where we scored with several large bird parties. The diversity of habitat visited boosted the days total but we had already enjoyed three near-100-species days at Cat Tien, certainly one of the great Southeast Asian birding destinations. Vietnam has relatively little lowland forest left outside of reserves, and some is still recovering from damage sustained during the war. However, the birds are there and easy to see in most cases. At Da Linh the highland forest is being cut rather quickly, which does not bode well for its many specialties. At the present they are still fairly abundant. We started the day along the main park road at Cat Tien, then visited the bamboo-hill area at Duc Lua for the very restricted-range Partridge. After lunch, a long slow drive to Da Linh where we had about two hours of daylight left for birding outside of town along the Phan Thiet Road. We heard Orange-breasted Laughingthrush (R) but it managed to elude us. The afternoon was rescued by a huge bird wave that contained a good suite of babblers including our first Viet Cutias. It was a great days birding in a beautiful country, followed by a fine Vietnamese dinner!

## CANADIAN PROVINCES AND TERRITORIES

### EXPLANATIONS FOR THE FOLLOWING TABLE:

2009 Target Total = the average of the three highest Big Day totals for each state up to the end of 2008. Totals have been adjusted in some cases to reflect the 95% rule.

#### ALBERTA (2009 Target Total=171.6)

<b>207</b>	<b>2 Jun-09</b>	<b>T. Hince, P. Pratt</b>
178	31-May-01	T. Plath, P. Pratt, T. Hince
174	1-Jun-05	Y. Attia, J. Allair
163	24-May-96	B. Elder, B. Maybank, B. Storms
163	30-May-04	Y. Attia, J. Allair, P. Bulman
160	29-May-00	B. Carroll, B. Ritchie, T. Thormin
156	27-May-98	B. Carroll, B. Ritchie, P. Marklevitz, T. Thormin
156	28-May-99	B. Carroll, B. Ritchie, P. Marklevitz
155	27-May-95	R. Carroll, B. Ritchie, R. Chabayeo
153	5-Jun-06	B. Elder, P. Cram, M. Spitzer
153	24-May-98	B. Elder, B. Storms, C. Scialfa

#### BRITISH COLUMBIA (2009 Target Total=187.7)

196	23-May-95	R. Cannings, B.M aybank, A. Jaramillo, T. Plath
187	23-May-98	T. Plath, K. McPherson, M. Force, D. Tyson
180	12-May-97	T. Plath, M. Bentley
177	21-May-86	R. Cannings, M. Force
174	21-May-95	R. Cannings, B. Maybank, A. Jaramillo, G. Sirk (Okanagan)
168	19-May-96	R. Cannings, Russell Cannings, B. Maybank, F. Cooke, M.F rce (Okgangan)
167	22-May-88	R. Cannings, M. Gebauer, X. Lambin, L. Rockwell (Okanagan)
164	26-May-85	R. Cannings, R. Howie, M. Collins (Okanagan)
163	29-Apr-02	T. Plath, J. Osterhold, D. Knopp
163	21-May-00	R. Cannings, A. Bezener, L. Neish, R. Foxall

#### MANITOBA (2009 Target Total=211.3)

214	31-May-08	R. Koes, P. Taylor, A. Walley
212	2-Jun-06	T. Hince, P. Pratt
208	28-May-08	C. Cuthbert, K. De Smet, R. Koes, A. Walley
<b>208</b>	<b>28-May-09</b>	<b>C. Cuthbert, K. De Smet, R. Koes, P. Taylor, A. Walley</b>
205	23-May-87	R.F. Koes, G. Grief, R. Tkachuk, G. Holland
202	1-Jun-04	K. DeSmet, A. Walley
198	21-May-88	R.F. Koes, D. Fast, P. Taylor, G. Holland
198	21-May-94	R.F. Koes, D. Fast, G. Grief, P. Taylor
198	28-May-94	R.F. Koes, G. Grief, P. Taylor, R. Tkachuk
198	24-May-07	C. Cuthbert, K. De Smet, R. Koes, P. Taylor

#### NEW BRUNSWICK (2009 Target Total=132.7)

138	18-Jun-06	T. Hince, P. Pratt
136	6-Jun-92	J. Edsall, D. Gibson, D. Miles
124	1-Jun-91	J. Edsall, P. Pearce, D. Gibson
100	26-Aug-89	B. Maybank, B. Dalzell
82	18-May-05	T. Woodrow
75	13-Sep-98	T. Woodrow, F. Woodrow (single-island)
20	20-Mar-01	T. Woodrow, F. Woodrow

#### NEWFOUNDLAND AND LABRADOR (2009 Target Total=105.3)

117	11-Jul-07	T. Hince, P. Pratt
106	2-Sep-84	B. Maybank, R. Burrows, M. Masse
93	17-Jul-98	C. Stevens II, L. Bateman, J. Briffett, M. Vassallo
78	20-May-84	B. Maybank, R. Burrows
78	13-Oct-85	B. Maybank, B. Mactavish
76	7-Jun-86	B. Maybank
64	29-Aug-87	B. Maybank
38	26-Mar-95	B. Maybank, B. Mactavish
31	26-Apr-97	B. Maybank, B. Mactavish, K. Knowles, J. Wells, P. Linegar
27	28-Feb-87	B. Maybank, B. Mactavish, J. Wells
27	18-Dec-85	B. Maybank, M. Dufresne

#### NORTHWEST TERRITORIES (2009 Target Total=55.0)

64	18-Jun-98	P. Hamel, M. Hearne
54	18-Jun-95	R. Tymstra, D. Parsons
47	24-Jun-93	R. Tymstra, D. Parsons
41	18-Aug-91	D.M. Forsythe, C. Kersting
40	19-Aug-90	D.M. Forsythe, J. Lasley
40	13 Aug 98	E. Burroughs, C. Burroughs
37	18-Aug-88	R.M. Odear, C. Bender, P. Landry

#### NOVA SCOTIA (2009 Target Total=143.0)

145	21-Jun-99	S. Yetman, C. Stevens Jr.
144	10-Jun-98	F. Lavender, C. Stevens Jr, S. Yetman
140	5-Jun-94	B. Maybank, F. Lavender, J. Waldron
137	6-Jun-92	B. Maybank, F. Lavender, J. Taylor, K. McKenna
137	5-Jun-93	B. Maybank, F. Lavender, J. Taylor, K. McKenna, C. Brennan
135	1-Jun-91	B. Maybank, F. Lavender, J. Taylor, B. Sarty
131	26-May-89	B. Maybank, F. Lavender
123	29-May-93	B. Maybank, R. Foxall
121	9-Jun-71	E.L. Mills, D.W. Finch
118	31-May-98	B. Maybank, M. Newell, W. Atwood

#### NUNAVUT

36	10-Jul-04	R. Knapton, C. Sidler, C. Kersting, T. Molter
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#### ONTARIO (2009 Target Total=193.3)

200	29-May-99	T. Hince, P.D. Pratt
194	24-May-94	T. Hince, P.D. Pratt
186	11-May-79	A. Wormington, T. Hince, D. Sunderland, M. Runtz
182	18-May-96	M. Bain, R. Tozer, D. Barry (Durham region)
181	28-May-94	M. Bain, D. Beadle, B. Henshaw (Durham region)
180	17-May-80	A. Wormington, P.D. Pratt, D. McCorquodale
180	22-May-93	R. Tozer, D. Tozer, D. Barry, M. Carney (Durham region)
180	3-Jun-97	T. Hince, P. Pratt
178	20-May-95	M. Bain, D. Barry, M. Carney, P. Holder (Durham region)
173	22-May-77	R. Curry, A. Wormington, B. Wylie

#### PRINCE EDWARD ISLAND (2009 Target Total=130.0)

141	6-Jun-04	R. Cooke, E. Marcum, D. Seeler
128	28-May-94	R. Cooke, D.G. Stewart, B. Maybank
121	29-May-93	R. Cooke, D. McAskill, B. Bowerbank, R. Palmer, L. Thomas, J. Watts
117	31-May-92	R. Cooke, D. McAskill, R. Palmer, S. Stevenson
109	3-Jun-95	R. Cooke, D.G. Stewart, G. MacDonald
108	2-Sep-91	R. Cooke, D. McAskill, B. Bowerbank
104	21-Aug-85	B. Maybank, S. Tingley
100	13-Aug-84	P. Lehman, J. Langham
69	19-Nov-05	D. McAskill, D. Seeler
69	19-Apr-08	D. Oakley, D. Seeler
<b>69</b>	<b>5-Dec-09</b>	<b>D. Seeler, D. Oakley</b>

#### QUÉBEC (2009 Target Total=168.0)

175	6-May-07	O. Barden, G. Lemelin
166	2-Jun-03	T. Hince, P.Pratt
163	28-May-05	D. Bird, R. Titman, M. Gahbauer, R. Gregson, M. Dennis
161	27-May-02	O. Barden, N. Barden
158	28-May-88	G. Gendron, D. Ruest
155	22-May-93	J. Lachance, A. Côté, G. Lemelin
155	3-Jun-94	G. Gendron, D. Ruest
153	28-May-84	G. Gendron, Y. Gauthier, T.Rheinallt
152	31-May-85	G. Gendron, D. Ruest, Y. Gauthier, T. Rheinallt
151	27-May-86	C. Vachon, G. Bouchard, L. Messely

**SASKATCHEWAN (2009 Target Total=180.3)**

202	1-Jun-08	T. Hince, P. Pratt
174	21-May-88	R. Kreba, B. Ewart, T. Herriot, C. Pollock
165	23-May-87	R. Kreba, B. Ewart, T. Herriot, L. Bjorklund
161	5-Aug-99	P.A. Stutesman
160	1-Jun-86	C. Escott, H. Lane
141	26-May-95	T. Herriot, B. Maybank
78	4-Sep-90	B. Korol, G. Wapple
70	21-Jul-96	T.R. Kemp

**YUKON TERRITORIES (2009 Target Total=73.3)**

82	23-Jun-92	T. Greenfield
71	25-Jun-99	P. Hamel, M. Hearne
67	22-Aug-92	R. Cannings
59	10-Aug-94	R.H. Johnson, S. Johnson
50	7-Jul-91	B. Maybank
40	26-May-92	R.H. Johnson, S. Johnson, L. Johnson
38	14-Jun-02	D.C. Chaffin
33	14-Aug-98	E. Burroughs, C. Burroughs

**U.S. STATES****EXPLANATIONS FOR THE FOLLOWING TABLE:**

2009 Target Total = the average of the three highest Big Day totals for each state up to the end of 2008. Totals have been adjusted in some cases to reflect the 95% rule..

**ALABAMA (2009 Target Total=186.0)**

202	24-Apr-83	M. Brown, C.D. Cooley
181	23-Apr-91	G.D. Jackson, R.A. Duncan, W.J. Bremser, P. Tetlow
175	16-Apr-88	R.A. Duncan, P. Tetlow, J. Pfeiffer, K. Wright
172	16-Apr-84	M. Brown, C.D. Cooley, J. Tucker
171	22-Apr-83	G.D. Jackson, L. Peavler
170	24-Apr-85	G.D. Jackson, J.V. Peavy Jr.
167	30-Apr-83	G.D. Jackson, J.V. Peavy Jr.
166	13-Apr-02	L. Gardella, S. Reed, G. Beaton, S. McConnell
166	16-Apr-82	M. Brown, C.D. Cooley
166	17-Apr-87	G.D. Jackson, J.V. Peavy Jr., C.D. Cooley

**CALIFORNIA (2009 Target Total=221.0)**

231	29-Apr-78	J. Dunn, K. Garrett, V. Remsen, R. Webster
217	01-May-05	D. Easterla, T. Easterla, S. Glover, G. Hazard, J. Sterling (single county)
215	24-Apr-05	J. Feestra, T. McGrath, M. San Miguel, M. San Miguel, Jr.
209	26-Apr-86	J. Parmeter, B. Keelan
208	1-May-99	J. Sterling, S. Terrill, S. Rovell (single-county)
207	25-Apr-76	J. Dunn, K. Garrett, P. Lehman, V. Remsen
202	1-May-82	D. Roberson, B.D. Parmeter, L.C. Binford, J. Parmeter, K. Van Vuren (single county)
201	26-Apr-74	V. Remsen, L.C. Binford, K. Barrett, R. Stallcup
201	2-May-75	L.C. Binford, R. Stallcup, B.D. Parmeter, G.L. Bolander
200	25-Apr-78	J. Dunn, V. Remsen (single-county)
200	26-Apr-97	S. Rovell, S. Terrill, T. Easterla, J. Sterling (single-county)

**ALASKA (2009 Target Total=115.3)**

119	19-May-07	B. Meiklejohn, S. Hauser, R. Ambrose
117	20-May-06	S. Hauser, C. Mannix, R. Ambrose, D. Porter
110	16-May-98	G.J. Tans, R. Foley, D.F. Delap
105	18-May-96	G.J. Tans, R. Foley, H.H.S. Scott, J. Scott
104	22-May-94	G.J. Tans, R. Foley, H.H.S. Scott
104	22-May-93	G.J. Tans, R. Foley, H.H.S. Scott
102	19-May-95	G.J. Tans, R. Foley, H.H.S. Scott
98	24-May-86	D.F. Delap, S. Wulkowicz
98	27-May-87	M.R. Dalton, M.C.T. Smith
98	21-May-97	G.J. Tans, R. Foley, D.F. Delap

*Using Chartered Aircraft/Helicopters*

243	28-Apr-84	D. Roberson, L.C. Binford, J. Langham, B.D. Parmeter, J. Parmeter
235	30-Apr-83	D. Roberson, L.C. Binford, J. Langham, B.D. Parmeter, J. Parmeter, R.T. Peterson

*Using commercial aircraft (2009 Target Total=117.3)*

125	4-Jun-93	M.R. Dalton, M.C.T. Smith
119	6-Jun-92	M.R. Dalton, M.C.T. Smith
108	23-May-89	M.R. Dalton, M.C.T. Smith

**COLORADO (2009 Target Total=199.3)**

204	4-May-00	C.L. Wood, T. Leukering, L. Semo
202	13-May-04	B. Percival, C.L. Wood, T. Leukering
192	10-May-97	S.J. Dinsmore, R.L. Bunn
<b>183</b>	<b>6-Jun-09</b>	<b>M. Peterson, B. Steger</b>
177	15-May-94	J. Kellner, C.L. Wood
176	1-Aug-98	C.L. Wood, B.K. Percival, T. Leukering
174	13-May-89	W. Leitner, L. Halsey, C. Haynie, D. Nelson
174	6-May-95	P. Sandstrom-Smith, C. Smith
171	10-May-97	P. Sandstrom-Smith, C. Smith
166	13-May-95	R.L. Bunn, T. Leukering, B. Maynard

**ARIZONA (2009 Target Total=197.0)**

199	25-Aug-98	J. Withgott, J. Taylor, C. Gordon, G. Rosenberg
196	18-Aug-92	D. Stejskal, K. Kaufman, G. Rosenberg, C. Benesh, W. Russell
196	6-May-07	S. Schuette, K. Kamper
195	18-Aug-89	J. Coons, D. Stejskal, G. Rosenberg, J. Kingery
191	27-Apr-84	K. Kaufman, D. Stejskal
191	8-May-08	S. Schuette, K. Kamper
190	30-Apr-77	D. Stotz, T. Parker, S. Parker
189	25-Apr-07	S. Schuette, P. Hosner, J. Yerger
185	28-Apr-90	S. Ganley, R. Ferguson, D. Stejskal, B. Norton
184	12-Aug-06	R. Hoyer, J. Mohlmann, J. Yerger

**CONNECTICUT (2009 Target Total=177.0)**

186	20-May-94	E. Hagen, B. Devine, B. Root, M. Szantyr, C. Wood, G. Hanisek
173	19-May-92	E. Hagen, B. Devine, B. Root, M. Szantyr, D. Tripp
172	18-May-90	E. Hagen, B. Devine, B. Root, M. Szantyr
170	19-May-89	E. Hagen, B. Devine, B. Root, M. Szantyr, C. Wood
170	17-May-92	S. Mayo, T. McGrath, K. Murphy, D. Rosgen
168	21-May-93	E. Hagen, B. Devine, B. Root, M. Szantyr, C. Wood
167	22-May-88	F.W. Mantlik, F. Furnell, T. Baptist
164	18-May-86	S. Kellogg, C. Withgott, Jay Withgott, James Withgott
163	18-May-90	F.W. Mantlik, T. Baptist, L. Bevier
162	18-May-86	M. Szantyr, D. Varza, B. Devine, F.W. Mantlik

**ARKANSAS (2009 Target Total=165.7)**

168	9-May-99	K. Nichols, B. Verser
165	8-May-99	J.R. Wilson, M. Greene
164	4-May-07	K. Nichols, D. Baxter
160	9-May-92	G. Knight, S. Knight, J.R. Wilson
154	9-May-98	J.R. Wilson, M. Greene
153	8-May-99	K. Nichols, L. Nichols
150	2-May-92	G. Knight, J.R. Wilson
145	11-May-97	K. Nichols, B. Verser
142	5-May-92	J. Withgott
140	30-Apr-88	M. Davis, M.F. Hodges Jr, T. Schiefer

**DELAWARE (2009 Target Total=194.7)**

199	15-May-97	D. Cutler, J. Armstead, C. Perry, H. Brokaw
195	13-May-97	A.P. Ednie, J. White, E. Short, J. Gordon
190	16-May-95	D. Cutler, J. Armstead, C. Perry, H. Brokaw
188	11-May-95	N.J. Pulcinella, A.N. Guarente, J. Lockyer, J. Ginaven
186	11-May-95	A.P. Ednie, J. White, K. Zeitler, M. Barnhill
186	14-May-81	C. Perry, H. Armistead, D,B&H Cutler, J. Gordon

182 15-May-96 N.J. Pulcinella, A.N. Guarente, J. Lockyer, J. Ginaven  
 172 14-May-93 N.J. Pulcinella, A.N. Guarente, J. Lockyer, J. Ginaven  
 172 14-May-96 A.P. Ednie, K. Zeitler, B. Lego, E. Short  
 166 10-May-93 A.P. Ednie, C. Campbell, J. Swertinski, J. White

158 18-Jun-91 W.E. Harper, C.H. Trost, S.M. Scott, J. Tinsley  
 158 21-Jun-97 W.E. Harper, C.H. Trost, S.M. Scott  
 157 7-Jun-98 J.F. Gatchet, D. Lawrence  
 157 9-Jun-01 M. Collar, D. Mead, J. Moodie, C. Trost

**WASHINGTON, D.C. (2009 Target Total=125.7)**

134 6-May-89 D. Czaplak, G. Gough, O. Janni, M. Jennison  
 126 2-May-81 D. Czaplak, F. Hayes, B. Hayes  
 117 3-May-86 D. Czaplak, G. Gough, M. O'Brien  
 116 5-May-84 D. Czaplak  
 113 9-May-98 B. Swift, O. Janni, M. Parr  
 113 1-May-93 O. Janni, M. O'Brien, G. Gough  
 112 2-May-92 O. Janni, G. Gough  
 111 9-May-87 D. Czaplak  
 106 7-May-88 D. Czaplak, G. Gough  
 102 4-May-85 D. Czaplak  
 102 19-May-84 D. Czaplak

**ILLINOIS (2009 Target Total=178.3)**

184 17-May-97 J. O'Brien, R. Hughes, D. Mandell, S. Bailey, S. Mlodinow, S. Patti  
 176 16-May-05 V. Kleen, A. Frohlich, K.M. cKay  
 175 9-May-94 V.M. Kleen, H.D. Bohlen, R. Randall, M. Ward, P.M. Ward  
 175 5-May-97 K.A. McMullen, D. Kassebaum, J. DeNeal  
 175 13-May-97 V.M. Kleen, H.D. Bohlen, M. Ward, P.M. Ward, T. Ward  
 174 11-May-96 J. O'Brien, R. Hughes, D. Mandell, S. Bailey, S. Mlodinow, S. Patti  
 173 6-May-86 R.Q. Randall, H.D. Bohlen, P.M. Ward, R. Mudd  
 173 13-May-95 J. O'Brien, R. Hughes, D. Mandell, S. Patti  
 172 10-May-89 V.M. Kleen, H.D. Bohlen, P.M. Ward, S. Robinson  
 171 16-May-98 J. O'Brien, R. Hughes, D. Mandell, S. Bailey, S. Mlodinow, S. Patti

**FLORIDA (2009 Target Total=174.7)**

179 23-Apr-83 R. Carter, S. Howell, C. Nesmith, G. Graves  
 173 15-Apr-04 D. Simpson  
 172 18-Apr-04 D. Simpson  
 171 10-Apr-71 J. Edscorn, D. Edscorn, P.J. Fellers  
 171 26-Apr-04 D. Simpson  
 170 3-May-04 D. Simpson  
 167 21-Apr-87 R.A. Duncan, S. Duncan, L. Duncan, B. Bremser  
 166 14-Apr-73 J.B. Edscorn, P.J. Fellers, H.B. Herbert, K. Edscorn  
 166 13-Apr-04 D. Simpson  
 165 2-May-03 D. Simpson

**INDIANA (2009 Target Total=190.0)**

193 17-May-05 J. McCoy, J. Cassidy, B. Grube  
 189 16-May-04 J. McCoy, B. Grube  
 188 15-May-99 K.J. Brock, E.M. Hopkins, S.F. Jackson, J.A. Haw, B. Jackson, J. Cassidy  
 176 17-May-96 K.J. Brock, E.M. Hopkins, S.F. Jackson, J.A. Haw, B. Jackson, J. Cassidy  
 172 10-May-88 K.J. Brock, E.M. Hopkins, S.F. Jackson, J.A. Haw, B. Jackson  
 170 17-May-03 J. Cassidy, J. McCoy, B. Grube, B. Palmer-Ball  
 170 17-May-93 K.J. Brock, E.M. Hopkins, S.F. Jackson, J.A. Haw  
 167 16-May-03 L. Casebere, C. Chapman, C. Hedge, R. Hedge  
 166 14-May-90 K.J. Brock, E.M. Hopkins, S.F. Jackson, J.A. Haw  
 165 10-May-79 K.J. Brock, E.M. Hopkins, T.T. Cable, A. Bruner

**GEORGIA (2009 Target Total=188.7)**

193 27-Apr-04 G. Beaton, J. Flynn, M.F. Hodges, E. Horn  
 190 25-Apr-02 G. Beaton, J. Flynn, T. Egan  
 183 24-Apr-96 P.W. Sykes Jr., G. Beaton, M.F. Hodges Jr., B. Blakeslee  
 181 27-Apr-95 P.W. Sykes Jr., C. Perry, M.F. Hodges Jr.  
 176 27-Apr-94 P.W. Sykes Jr., C. Perry, M.F. Hodges Jr.  
 174 1-May-03 G. Beaton, J. Flynn, E. Horn  
 174 1-May-97 G. Beaton, J.F. Flynn, M.F. Hodges Jr.  
 173 30-Apr-93 P.W. Sykes Jr., C. Perry, T. Leukering  
 169 27-Apr-91 P.W. Sykes Jr., B. Dunning, C. Perry, P. Yaukey  
 168 24-Apr-00 G. Beaton, J.F. Flynn, P.W. Sykes Jr.

**IOWA (2009 Target Total=196.3)**

204 13-May-96 P.C. Petersen, B. Blevins, D. Moeller  
 195 7-May-92 P.C. Petersen, B. Blevins  
 190 11-May-95 P.C. Petersen, B. Blevins, D. Moeller  
 186 11-May-93 P.C. Petersen, B. Blevins, D. Moeller  
 183 10-May-94 P.C. Petersen, B. Blevins, D. Moeller  
 182 11-May-90 S.J. Dinsmore, G. Brown, A. Fix  
 182 8-May-91 P.C. Petersen, B. Blevins, D. Moeller  
 173 8-May-90 P.C. Petersen, B. Blevins, D. Moeller  
 171 10-May-86 S.J. Dinsmore, G. Brown, E. Munson  
 171 11-May-96 S.J. Dinsmore, B. Engebretsen

**HAWAII (2009 Target Total=58.7)**

*O'ahu only*

59 27-Oct-85 A. Engilis, A. Newman, B. Pitman, L. Spear  
 59 26-Sept-04 R.E. David, S. Wakefield-David  
 58 26-Sep-93 R. Pyle, A. Engilis, T. McCafferty  
 57 20-Nov-04 K. Pohlman  
 56 2-Feb-00 K. Pohlman  
 56 11-Dec-05 R.E. David, S. Wakefield-David  
 54 26-Sep-81 R. Pyle, P. Donaldson, M. Ord, C. Vinsonhaler  
 53 1-Feb-04 R.E. David, S. Wakefield-David  
 52 23-Oct-76 R. Pyle, M. Ord, R. Shallenberger  
 52 16-Sep-79 R. Pyle, M. Ord  
 52 24-Jan-04 R.E. David, S. Wakefield-David  
 52 28-Mar-04 R.E. David, S. Wakefield-David  
 52 20-Nov-05 P. Taylor, R. Stephens, J. Morris, J. Guadosio, J. Cooper

*Maui only*

43 12-Jan-05 K. Pohlman

*Multi-island, using commercial aircraft*

81 19-Oct-87 R. Pyle, R. David, A. Engilis

**IDAHO (2009 Target Total=178.3)**

183 6-Jun-06 B. Kemp, R. Weeks, S. Gross  
 176 11-Jun-99 J.F. Gatchet, T. Edwards  
 176 9-June-05 B. Kemp, R. Weeks, S. Gross  
 173 12-Jun-99 C.H. Trost, J. Paruk, M. Collar  
 169 12-Jun-98 C.H. Trost, W.E. Harper  
 168 6-Jun-98 C.H. Trost, J. Paruk, R. Clark, M. Collar  
 167 17-Jun-97 J.F. Gatchet, D.L. Edwards

**KANSAS (2009 Target Total=218.3)**

225 13-May-02 M. Robbins, R. McNeil, M. Rader  
 220 13-May-03 M. Robbins, R. McNeil, S. Patti, M. Rader  
 210 10-May-00 C.D. Hobbs, S. Patti, M. Robbins, M.D. Rader  
 205 14-May-96 C.D. Hobbs, S. Patti, M. Robbins, T. Peterson, R. Prum  
 204 11-May-97 C.D. Hobbs, S. Patti, M. Robbins, R. Prum, V. Laux  
 200 12-May-91 C.D. Hobbs, M. McHugh, S. Patti, G.L. Pittman  
 178 9-May-86 C.D. Hobbs, M. McHugh, M. Cooksy, K. Hollinga  
 172 11-May-84 C.D. Hobbs, M. McHugh  
 171 3-May-97 P.C. Wedge, D. Seibel, G.L. Pittman, M. McHugh  
 164 29-Apr-99 M.D. Rader, S. Seltman

**KENTUCKY (2009 Target Total=179.0)**

187 9-May-08 M. Monroe, B. Palmer-Ball, Jr.  
 176 6-May-02 M. Bierly, M. Monroe, B. Palmer-Ball, Jr.  
 174 30-Apr-03 M. Monroe, B. Palmer-Ball, Jr.  
 172 6-May-03 L. McNeely, M. Monroe, B. Palmer-Ball, Jr.  
 171 7-May-97 B. Palmer-Ball Jr., J. Elmore  
 168 6-May-96 B. Palmer-Ball Jr., B.L. Monroe Jr., M. Monroe, R. Healy Jr., D. Parker  
 168 6-May-99 B. Palmer-Ball Jr., B.L. Monroe Jr., M. Monroe, D. Parker  
 165 7-May-92 B. Palmer-Ball Jr., J.T. Erwin, D. Parker, C.B. Elmore  
 165 6-May-00 B. Palmer-Ball Jr., J. Elmore, M. Monroe, D. Parker  
 162 7-May-90 B. Palmer-Ball Jr., J.T. Erwin, D. Parker

**LOUISIANA (2009 Target Total=210.3)**

215 27-Apr-08 P. Benham, G. Bravo, R. Gibbons, J. Maley, B. O'Shea  
 209 25-Apr-01 C. Witt, D. Christian, J. Weckstien  
 207 27-Apr-08 J. Bosler, D. Bosler, C. Lyon, T. Davis  
 204 27-Apr-07 R. Gibbons, A. Cuervo, J. Maley, B. Oshea  
 202 21-Apr-87 V. Remsen, S.W. Cardiff, D.L. Dittmann, T. Parker  
 193 28-Apr-97 S.W. Cardiff, D.L. Dittman  
 193 18-Apr-01 C. Witt, D. Christian, R. Moyle, J. Weckstien  
 189 3-May-97 S.W. Cardiff, D.L. Dittman  
 183 26-Apr-80 P. MacKenzie, B. Crider  
 182 17-Apr-85 P. MacKenzie, M. Swan

**MAINE (2009 Target Total=168.7)**

178 22-May-99 L.R. Brinker, D. Ladd, W. Sheehan, R. Lambert  
 165 19-May-96 L.R. Brinker, D. Ladd, W. Sheehan, R. Joseph  
 163 22-May-93 L.R. Brinker, R. Humphrey, D. Ladd, W. Sheehan  
 162 21-May-94 L.R. Brinker, R. Humphrey, D. Ladd, W. Sheehan  
 141 28-May-05 J. Smith, C. Hardy, J. Wyatt, J. Hinds  
 140 21-May-95 W. Howes, W. Sumner  
 140 28-May-00 R.M. Milardo, J.K. Markowsky, B. Barker  
 138 24-May-93 R.M. Milardo, J.K. Markowsky, B. Barker  
 133 25-May-90 R.M. Milardo, J.K. Markowsky, B. Barker  
 132 31-May-03 B. Duchesne, S. Duchesne, L. Vernon, N. Larson  
 132 28-May-95 R.M. Milardo, J.K. Markowsky, B. Barker

**MARYLAND (2009 Target Total=201.7)**

206 18-May-96 M. O'Brien, J. O'Brien, P. Pisano, O. Janni  
 206 18-May-98 M. O'Brien, P. O'Brien, P. Pisano, O. Janni, W. Russell  
**200 24-May-09 Z. Baer, J. Brighton, R. Gutberlet, M. Hafner, B. Hubick, M. Lutmerding**  
 193 26-May-99 M.J. Iliff, A. Farnsworth  
 189 6-May-95 M. O'Brien, P. O'Brien, P. Pisano, O. Janni  
 188 17-May-90 M. O'Brien, P. O'Brien, L. Davidson, P. Pisano, G. Gough  
 186 14-May-88 M. O'Brien, P. O'Brien, L. Davidson, P. Pisano  
 185 12-May-89 M. O'Brien, P. O'Brien, L. Davidson, P. Pisano, G. Gough  
 182 18-May-91 M. O'Brien, P. O'Brien, L. Davidson, G. Gough  
 181 10-May-86 M. O'Brien, P. O'Brien, L. Davidson, P. Pisano, G. Gough

**MASSACHUSETTS (2009 Target Total=169.3)**

185 22-May-04 P. Trimble, J. Trimble, V. Laux  
 162 27-May-02 Barrett Lawson, Bob Lawson, S. Wheelock  
 161 25-May-87 G. d'Entremont, D. Brown, S.J. Dinsmore  
 155 15-May-99 S. Wheelock, Barrett Lawson, Bob Lawson, K. Rodman  
 154 20-May-02 S. Kellogg, T. Swochak, J. Weeks, J. Zepko  
 154 25-May-80 R. Stymeist, T. Lawrence  
 152 5-Jun-99 S. Wheelock, D. Furbish  
 150 21-May-04 S. Kellogg, T. Swochak, J. Zepko, J. Weeks  
 147 17-May-04 S. Kellogg, T. Swochak, J. Zepko, J. Weeks  
 143 19-May-03 S. Kellogg, J. Weeks, J. Zepko

**MICHIGAN (2009 Target Total=194.3)**

203 26-May-95 R.J. Weeks, T.R. Kemp, B. Kemp  
 191 20-May-92 T.R. Kemp, B. Kemp, T. Walsh, R.J. Weeks  
 189 6-Jun-00 K.S. Thomas, B. Murphy  
 185 27-May-93 R.J. Weeks, T.R. Kemp, B. Kemp  
 184 29-May-94 J. Reinoehl, B. Bouton, A. Byrne, J. Granlund  
 183 21-May-91 T.R. Kemp, B. Kemp  
 182 21-May-89 T.R. Kemp, B. Kemp  
 179 22-May-91 R.J. Weeks, T. Walsh  
 178 19-May-89 R.J. Weeks, T. Walsh, C. Francke  
 176 26-May-90 T.R. Kemp, B. Kemp

**MINNESOTA (2009 Target Total=193.3)**

204 26-May-02 A. Hertzler, P. Svingen  
 192 21-May-83 K.R. Eckert, P. Egeland, H. Kyllingstad, T. Savaloja  
 184 23-May-85 K.R. Eckert, P. Egeland, H. Kyllingstad, P. Backstrom  
 183 19-May-73 K.R. Eckert, P. Egeland, H. Kyllingstad, T. Savaloja  
 182 27-May-86 K.R. Eckert, P. Egeland, H. Kyllingstad, F. Leshner  
 181 18-May-74 K.R. Eckert, P. Egeland, H. Kyllingstad, T. Savaloja, K. Martell

181 23-May-81 K.R. Eckert, P. Egeland, H. Kyllingstad, S. Millard  
 181 18-May-99 P. Svingen, A. Hertzler (single-county)  
 179 22-May-76 K.R. Eckert, P. Egeland, H. Kyllingstad, T. Savaloja, B. Jansen  
 178 25-May-84 K.R. Eckert, P. Egeland, H. Kyllingstad, K. Camburn

**MISSISSIPPI (2009 Target Total=172.7)**

175 16-Apr-89 T. Schiefer, M.F. Hodges Jr.  
 172 23-Apr-83 J. Toups, E. Johnson, C. Roemer  
 171 2-May-89 J. Toups, C. Cassibry, G. Morgan, J. Pennell  
 165 28-Apr-79 L. Gates, J. Toups  
 158 7-May-03 S. Dinsmore, P. Barbour  
 156 5-May-86 J. Toups, D. King, C. Roerner  
 153 4-May-78 L. Gates  
 140 28-Mar-85 J. Toups, M.F. Hodges Jr, D. Ruple  
 134 30-Apr-89 T. Schiefer, M.F. Hodges Jr.  
 132 3-May-86 M. Davis, G.C. Knight

**MISSOURI (2009 Target Total=196.0)**

208 11-May-91 P. McKenzie, T. Barksdale  
 192 11-May-91 D.A. Easterla, M.B. Robbins, T.B. Easterla  
 188 11-May-90 D.A. Easterla, M.B. Robbins, T.B. Easterla  
 177 11-May-89 D.A. Easterla, M.B. Robbins, T.B. Easterla  
 174 8-May-06 K. Mayo, D. Willis  
 174 13-May-06 J. Eades, J. Malone, J. Uffman  
 174 14-May-88 T. Barksdale, M. Corder, R. Brundage, W. Leitner  
 169 15-May-79 D.A. Easterla, M.B. Robbins, T. Barksdale  
 166 15-May-75 D.A. Easterla, M.B. Robbins  
 166 11-May-78 D.A. Easterla, M.B. Robbins

**MONTANA (2009 Target Total=182.7)**

192 2-June-03 B. Kemp, R. Weeks  
 181 4-Jun-02 R. Weeks, B. Kemp  
 175 10-Jun-00 J. Rogers, D. Casey, S. Jones, S.C. Casey, J. Marks, B. Petty  
 174 6-Jun-92 J. Rogers, D. Casey, S. Jones, S. Casey  
 174 16-Jul-99 S.J. Dinsmore, A.S. Fix, T. Hanks  
 172 5-Jun-99 D. Casey, J. Marks, B. Petty, J. Rogers  
 170 6-Jul-98 S.J. Dinsmore, J.G. Jorgensen, J. Sullivan  
 162 9-Jul-91 W.E. Harper, S.M. Scott  
 161 8-Jun-96 D. Casey, S. Casey, A. Dumin, P. Bodewald  
 159 1-Jun-91 J. Rogers, D. Casey, S. Jones, S. Casey

**NEBRASKA (2009 Target Total=183.7)**

203 14-May-03 S.J. Dinsmore, R. Silcock, A. Brees  
 175 14-May-00 S.J. Dinsmore, J. Fontaine, R. Silcock  
 173 12-May-99 S.J. Dinsmore, J. Fontaine, D.C. Ely  
 162 15-May-93 M.A. Brogie, P. Wickham  
 157 20-May-89 S.J. Dinsmore, R. Silcock  
 150 12-May-90 M.A. Brogie, B. Huser  
 148 8-May-99 J. Sullivan, M. Orsag, E. Bachel  
 146 13-May-89 B.J. Rose, D. Rose, R. Rose  
 143 18-May-84 T. Bray, B. Padelford, T. Kent, R. Silcock  
 142 16-May-81 B.J. Rose, S. Rose

**NEVADA (2009 Target Total=152.0)**

162 10-May-97 L.A. Neel, G. Chisholm, K. Geluso, B. Flores  
 150 3-May-96 L.A. Neel, G. Chisholm, K. Geluso, B. Flores  
 144 14-May-78 G. Clifton, K. Knittle  
 139 26-Mar-04 P. Ward, K. Ward  
 136 15-May-95 R. Schlageter, J.J. Eidel, S. Mills  
 133 19-Jun-77 E.W. Tillay, G. Clifton, K. Knittle  
 133 11-May-94 C. Titus, R. McArthur, R. Rucker (single-county)  
 132 8-May-93 C. Titus, R. McArthur, J. Kaplan, R. Rucker  
 129 4-May-96 J.J. Eidel, A. Gubanich, B. Moore, A. Gross  
 127 11-Jul-76 E.W. Tillay, G. Clifton, K. Knittle

**NEW HAMPSHIRE (2009 Target Total=167.7)**

170 27-May-97 P.D. Hunt, S. Mirick, A. Strong, D. Strong  
 168 28-May-06 I. MacLeod, R. Woodward, E. Masterson, P. Brown  
 165 28-May-05 I. MacLeod, R. Woodward, E. Masterson

163 24-May-96 P.D. Hunt, S. Mirick, M. Suomala  
 158 30-May-04 I. MacLeod, G. Robbins, R. Woodward  
 156 25-May-02 S. Mirick, J. Lawrence, P. Lacourse, D. Donsker  
 156 23-May-99 P.D. Hunt, A. Strong, D. Strong  
 156 21-May-00 R. Woodward, I. MacLeod, G. Robbins  
 153 19-May-02 I. MacLeod, G. Robbins, R. Woodward  
 153 27-May-02 I. MacLeod, G. Robbins, R. Woodward

**NEW JERSEY (2009 Target Total=225.0)**

229 11-May-96 D. Womer, C. Aquila, D. Dendler  
 225 13-May-95 T. Hince, P.D. Pratt, B. Dilabio  
 221 13-May-95 D. Womer, C. Aquila, D. Dendler  
 218 15-May-99 D. Womer, C. Aquila, D. Dendler  
 218 14-May-94 D. Womer, C. Aquila, D. Dendler  
 215 15-May-93 T. Hince, P.D. Pratt, B. Dilabio  
 211 10-May-97 D. Womer, C. Aquila, D. Dendler  
 210 19-May-90 P. Pacinski, P. Dunne, L. Dunne, R. Radis, D. Freiday  
 210 14-May-94 P. Pacinski, P. Dunne, L. Dunne, R. Radis, D. Freiday  
 210 14-May-94 T. Hince, P.D. Pratt, B. Dilabio

**NEW MEXICO (2009 Target Total=195.3)**

200 3-May-97 B.R. Zimmer, J. Paton  
 198 6-May-99 B.R. Zimmer, J. Paton  
 188 3-May-07 J. Black, B. West, C. Black, B. Foy  
 184 1-May-06 J. Black, B. West, C. Black, B. Foy  
 183 4-May-05 J. Black, B. West, C. Black, B. Foy  
 179 11-May-96 B. Neville, D. Emkalns, J. Paton  
 178 30-Apr-04 J. Black, B. West, B. Foy  
 177 31-Aug-92 B.R. Zimmer, J. Gordon  
 173 4-May-91 J. Parmeter, A. Kraynik, L. Gorbet  
 170 10-May-84 K. Zimmer, B.R. Zimmer  
 170 11-Sep-86 B.R. Zimmer, J. Donaldson

**NEW YORK (2009 Target Total=199.3)**

202 18-May-03 D. Harris, B. Klick  
 201 26-May-02 D. Tetlow, J. Barry, K. Fox  
 198 20-May-09 **J. Paton, M. Scott, J. Zabriskie**  
 195 22-May-99 K.C. Griffith, K. Fox, D. Tetlow  
 192 25-May-97 B.E. Ewald, M. Davids, K. Fox, D. Tetlow  
 181 18-May-92 R.J. Kurtz, H. McGuinness, A. Baldelli  
 179 23-May-93 J. Skelly, D. Tetlow, M. Davids  
 175 24-May-02 D. Harris, B. Klick  
 173 19-May-74 T. Davis, P. Lehman, D. Finch, R. Smart  
 173 19-May-86 K. Griffith, M. Davids, C. Taylor  
 173 19-May-02 Jessie Barry, Jim Barry, K. Griffith

**NORTH CAROLINA (2009 Target Total=175.0)**

184 3-May-87 J.M. Lynch, D. Carter, J. Fussell, R. Davis, A. Bryan  
 174 6-May-93 S.J. Dinsmore, J. Nance  
 167 20-Apr-87 J. Nance, G. Massey  
 157 3-May-03 R. Van Epps, T. Piephoff, J. Pippen, B. Carlson  
 156 4-May-81 M. Tove, J. Fussell, R. Davis  
 155 5-May-02 T. Piephoff, R. VanEpps  
 151 7-May-99 C.A. Eley, G. Brown  
 140 6-May-80 S. Graves  
 132 10-Dec-09 **B. Bockhahn, A. Iyoob, M. Daw**  
 129 27-May-08 M.J. Iliff, A.L. McDonald

**NORTH DAKOTA (2009 Target Total=158.0)**

167 17-May-81 D.O. Lambeth, S.O. Lambeth, G.S. Lambeth  
 154 23-May-92 D.O. Lambeth, S.O. Lambeth, P. Svingen, K. Risen  
 153 19-May-79 D.O. Lambeth, S.O. Lambeth, G.S. Lambeth  
 150 18-May-80 D.O. Lambeth, S.O. Lambeth, G.S. Lambeth, J.F. Kelly  
 131 7-Aug-04 K. Corliss, M. Otnes  
 127 14-May-78 D.O. Lambeth, S.O. Lambeth, G.S. Lambeth  
 126 8-June-03 C. Ellingson, C. Talkington  
 122 23-Jul-77 K.J. Zimmer, B.R. Zimmer  
 118 23-May-76 K.J. Johnson, A.G. Johnson  
 118 7-Aug-99 P.A. Stutesman

**OHIO (2009 Target Total=191.7)**

205 11-May-87 J. Pogacnik, J.K. Alexander  
 186 10-May-85 J. Pogacnik, J.K. Alexander, M. Anderson  
 184 11-May-02 D. Sanders, J. McCormac, B. Master  
 182 16-May-92 T.R. Kemp, M. Anderson, E. Tramer, S. Lauer, C. Anderson  
 179 9-May-81 T. Bartlett, B. Peterjohn, D. Tumblin, E. Pierce  
 173 19-May-78 T. Thompson  
 173 14-May-97 B.F. Master, M. Dawson  
 172 14-May-96 B.F. Master, M. Dawson  
 171 13-May-95 B.F. Master, M. Dawson  
 170 14-May-94 B.F. Master, M. Dawson, S. Smith

**OKLAHOMA (2009 Target Total=179.7)**

182 9-May-05 J. Woodward, T. Mitchell, B. Carrell  
 180 3-May-01 J. Cox, J. Arterburn, K. Kaufman  
 177 4-May-96 J.A. Cox, K. Kaufman, J. Arterburn  
 177 29-Apr-99 M.B. Kamp, J. Loyd, P.L. Seibert  
 169 2-May-96 M.B. Kamp, J. Loyd, P.L. Seibert  
 167 1-May-93 J. Woodard, T. Mitchell, B. Griffen  
 161 3-May-92 M. Droege, D. Verser, M. Vogh  
 160 5-May-90 G. Guinan, S. Metz  
 154 4-May-91 S. Metz, D. King, T. Moses  
 154 9-May-94 J. Withgott, J. Norman

**OREGON (2009 Target Total=216.0)**

219 2-Jun-07 T. Janzen, D. Irons, J. Sullivan, N. Strycker  
 216 11-May-02 T. Janzen, T. Love, D. Mandell, C. Roberts  
 213 1-July-06 D. Irons, T. Janzen, J. Withgott, T. Rodenkirk  
 213 12-May-01 T. Janzen, T. Love, F. Schrock, S. Steinberg  
 212 10-May-86 J. Gilligan, D. Fix, S. Hein, D. Irons  
 212 14-May-05 T. Janzen, J. Withgott, N. Strycker, H. Herlyn  
 211 31-May-08 D. Irons, T. Janzen, J. Withgott  
 208 9-May-01 C. Miller, D. Mandell, T. Janzen  
 206 13-May-97 T. Janzen, C. Miller, D. van den Broek  
 206 13-May-03 T. Janzen, H. Herlyn, M. Miller, R. Hoyer  
 206 16-Jun-07 D. Irons, T. Janzen, N. Strycker, J. Withgott

**PENNSYLVANIA (2009 Target Total=170.3)**

178 15-May-99 J.G. Fedak; J. Horn  
 170 15-May-98 T.R. Kemp, B. Kemp, G.M. Links  
 163 12-May-89 T. Amico, D. Heathcote, S. Santner, B. Schutsky, E. Witmer  
 161 16-May-87 J.D. Peplinski, B. Peplinski, T. Schiefer  
 159 17-May-97 T.R. Kemp, B. Kemp, G.M. Links  
 157 12-May-78 D. Snyder, D. Steadman, J. Stull, S. Stull  
 157 7-May-83 G. Wilhelm, D. Hoskins, M. Starker  
 156 20-May-78 N.J. Pulcinella, J. Miller, C. Richards, K. Richards  
 154 12-May-90 J.D. Peplinski, B. Peplinski, T. Schiefer  
 151 19-May-83 F. Haas, B. Haas

**RHODE ISLAND (2009 Target Total=154.7)**

159 19-May-84 R.M. Bushnell, R.A. Conway, H. Willoughby  
 154 29-May-03 S. Wheelock, Bo. Lawson, Ba. Lawson  
 151 15-May-83 R.M. Bushnell, R.A. Conway, H. Willoughby  
 147 17-May-80 R.M. Bushnell, R.A. Conway, H. Willoughby, G. Gerdtz  
 147 15-May-82 R.M. Bushnell, R.A. Conway, G. Gerdtz  
 144 12-May-79 R.M. Bushnell, R.A. Conway, H. Willoughby, G. Gerdtz  
 141 15-May-76 R.M. Bushnell, R.A. Conway, H. Willoughby  
 141 13-May-78 R.M. Bushnell, H. Willoughby, G. Gerdtz  
 132 17-May-77 S.C. Tsagarakis, H. Willoughby  
 131 14-May-77 R.M. Bushnell, R.A. Conway, H. Willoughby

**SOUTH CAROLINA (2009 Target Total=177.3)**

179 28-Apr-92 R. Carter, R. Clark  
 177 1-May-89 R. Carter, D. Forsythe, S. Thompson  
 176 26-Apr-98 R. Carter, D. Forsythe  
 175 30-Apr-88 R. Carter, D. Forsythe, B. Odear  
 175 1-May-96 R. Carter, D. Forsythe, K. Kaufman  
 174 1-May-05 R. Carter, D. Forsythe, S. Calver  
 173 26-Apr-86 R. Carter, D. Forsythe, B. Odear, K. Kaufman  
 172 22-Apr-90 R. Carter, S. Compton, R. Clark, D. Forsythe

172	4-May-92	R. Carter, D. Forsythe, T. Kalbach	157	26-May-03	D. Strong, M. Hughes, A. Strong, P. Jones
172	1-May-95	R. Carter, C.M. Eastman	156	21-May-04	P. Ward, K. Ward
172	1-May-99	R. Carter, D. Forsythe	154	22-May-95	T. Johansson, D. Cooper, A. Farnsworth, W. Hutcheson
			154	22-May-99	A. Strong, D. Strong
			154	28-May-07	D. Strong, P. Jones, A. Strong, S. Schwenk
<b>SOUTH DAKOTA (2009 Target Total=170.3)</b>					
175	14-May-03	J.S. Palmer, R.F. Schenck	<b>VIRGINIA (2009 Target Total=169.7)</b>		
170	15-May-00	J.S. Palmer, R.F. Schenck	178	7-May-05	M. Ribaudo, K. Gaskill, J. Keller, R. Rieger
166	19-May-97	J.S. Palmer, O. Selchert, R.F. Schenck	167	6-May-86	P. Bedell, W. Ealdding, C. Foster, M. Iwanik, D. Peterson
161	14-May-99	J.S. Palmer, O. Selchert, R.F. Schenck	164	10-May-86	T. Finnell, G. Stubbs
158	15-May-02	J.S. Palmer, R. Schenck	161	11-May-83	F. Day, P. Cabe, J. Garvin
158	16-May-96	D.L. Swanson, K. Dean, S. Van Sickle, E. Liknes	158	5-May-03	D. Clark, T. Gwynn, D. Hughes, C. Smith
155	16-May-96	J.S. Palmer, O. Selchert, C. Vande Voorde	152	5-May-74	W.W. Fogleman, R.L. Ake, G.S. Grant
154	8-Jul-93	T.R. Kemp, B. Kemp, E. Durbin	147	21-Sep-96	E.S. Brinkley, T.M. Gwynn III, D. Schwab
151	19-May-98	J.S. Palmer, R.F. Schenck	143	8-May-76	B.W. Keelan, B.A. Lund, L.K. Malone
149	16-May-95	J.S. Palmer, O. Selchert	140	18-Sept-03	B. Taber, B. Williams, F. Day
			138	16-Sept-03	B. Taber, B. Williams, F. Day, T. Armour
<b>TENNESSEE (2009 Target Total=168.3)</b>					
174	10-May-97	J.R. Wilson, M.A. Greene	<b>WASHINGTON (2009 Target Total=199.0)</b>		
169	7-May-94	J.R. Wilson, G. Knight, S. Knight, M.A. Greene	201	15-May-88	D. Hutchinson, D. Reusser, B. Tweit
162	8-May-89	J. Drewry, M. Bierly, B. Palmer-Ball Jr.	198	16-May-86	B. Hayes, F. Hayes, D. Schmidt, D. Wright
161	8-May-98	J.R. Wilson, M.A. Greene	198	16-May-89	D. Hutchinson, B. Tweit, S. Ray
155	9-May-84	M. Bierly, B. Palmer-Ball Jr.	195	5-May-87	D. Hutchinson, D. Reusser, B. Tweit
151	24-Apr-99	J.R. Wilson, M.A. Greene	186	6-May-84	D. Paulson, J. Erckmann, J. Van Os
149	5-May-02	J. Desgrosellier, C. Sloan	184	9-May-92	M. Denny, M.L. Denny, J. Nestler, J. Wasmer
148	4-May-81	C. Swafford, C. Haney	180	13-May-89	J.F. Gatchet, K. Knittle, M. Denny, M.L. Denny
145	8-May-97	S.M. McConnell, J. Garner, D. Simbeck	174	20-May-83	B. Hayes, M. Denny, P. Rasmussen
144	29-Apr-89	M. Davis, K. Myers, D. Simbeck, J. Wilson	174	15-May-89	T. Hass, K. Aanerud, P. Cozens
			169	8-May-81	W. Sumner, K. Knittle
<b>TEXAS (2009 Target Total=252.3)</b>					
Land only					
260	19-Apr-08	K. Behrens, C. Cox, P. Nosner, M. Retter	<b>WEST VIRGINIA (2009 Target Total=141.0)</b>		
258	24-Apr-01	A. Byrne, G. Beaton, D. Peake, R. Weeks, B. Kemp	146	22-May-06	J. Blomberg, G. Felton, M. Orsie, J. Tharp
239	21-Apr-03	D. Peake, B. Kemp, R. Weeks	140	10-May-02	B. Kemp, T. Kemp
237	22-Apr-02	A. Byrne, G. Beaton, D. Peake, R. Weeks, B. Kemp	137	7-May-04	J. Benedetti, J. Blomberg, D. Esker, J. Tharp II
233	18-Apr-01	T. Hince, P. Pratt, B. DiLabio	133	7-May-93	T.R. Kemp, B. Kemp, E. Durbin
230	27-Apr-98	O. Carmona, W. Carter, B. McKinney, W. Sekula	133	15-May-04	G. Felton, M. Orsie
223	29-Apr-98	M.A. Elwonger, P. Petra-Hockey, B. Freeman	132	10-May-05	J. Blomberg, M. Orsie, J. Tharp II
222	24-Apr-99	O. Carmona, W. Carter, B. McKinney, W. Sekula	129	8-May-96	J.R. Blomberg, L. Barnhart, J. Beneditti, P. Calise, L. Rollefson
215	9-Apr-00	O. Carmona, W. Carter, B. McKinney, W. Sekula	124	5-May-89	J.R. Blomberg, L. Barnhart, J. Beneditti
214	23-Apr-97	M. Cooksey, A. Cooksey, C.D. Hobbs	124	5-May-91	W. Argabrite, J. Fletcher, M. Griffith, A. Thorne
			122	8-May-93	W. Argabrite, M. Griffith
Using Chartered Aircraft/Helicopters 2008 Target Total = 238.7					
244	1-May-85	V. Emanuel, R.T. Peterson, J. Tucker, G.W. Lasley	<b>WISCONSIN (2009 Target Total=216.0)</b>		
238	1-May-84	V. Emanuel, J. Rowlett, R.A. Rowlett, J. Tucker, J. Vardaman	230	19-May-02	R. Hoffman, A. Shea
234	27-Apr-82	V. Emanuel, R.T. Peterson, T. Parker, J. Rowlett	210	20-May-00	R. Hoffman, A. Shea
223	23-Apr-84	V. Emanuel, J. Rowlett, R.A. Rowlett, J. Tucker, J. Vardaman	208	17-May-97	R. Hoffman, A. Shea
221	25-May-90	V. Emanuel, K. Zimmer, G.W. Lasley, G. Plimpton	206	17-May-99	R. Hoffman, A. Shea
			194	2-Sept-01	R. Hoffman
			193	16-May-98	R. Hoffman, A. Shea
			191	22-May-97	J.L. Baughman, T. Schultz, S. Baughman, D.D. Tessen, C. Wood
			187	26-May-00	R. Hoffman, D. Tessen, M. Peterson
			186	31-Aug-02	R. Hoffman
			185	21-May-90	J.L. Baughman, T. Schultz, W. Schultz, W. Stott
<b>UTAH (2009 Target Total=196.3)</b>					
202	13-May-01	M.A. Stackhouse, D.S. Wheeler, C. Neuman	<b>WYOMING (2009 Target Total=158.3)</b>		
200	16-May-99	M.A. Stackhouse, D.S. Wheeler	180	25-May-01	S. Dinsmoor, J. Fontaine
187	16-May-98	M.A. Stackhouse, D.S. Wheeler	149	17-May-90	B. Hayes, J. Nestler, W. Bruce-Miller
184	19-May-96	M.A. Stackhouse, D.S. Wheeler, L. Lockhart	146	20-May-89	M. Adams, S. Fitton, F. Luke, R. Steenberg, W. Bruce-Miller
180	7-May-95	M.A. Stackhouse, D.S. Wheeler, L. Lockhart	141	21-Jul-86	W. E. Harper, S. Scott, B. Hallett
178	18-May-97	M.A. Stackhouse, D.S. Wheeler	135	24-May-86	M. Adams, F. Luke
173	10-May-98	M.A. Stackhouse, D.S. Wheeler, A. Godwin	128	24-May-86	W. E. Harper, S. Scott
169	6-May-93	R. Bond, S.P. Hedges, T. Sadler	122	7-Jul-80	W. E. Harper, C. Harper
166	4-May-90	R. Bond, S.P. Hedges	112	26-Aug-06	D. Faulkner, L. Semo
165	1-May-98	R. Bond, G. Bond, T. Sadler	111	16-Jul-79	W. E. Harper, C. Harper
			109	30-Jun-78	W. E. Harper
<b>VERMONT (2009 Target Total=163.7)</b>					
177	31-May-09	P. Ward, K. Ward			
167	15-Jun-08	P. Ward, K. Ward			
162	6-June-04	P. Ward, K. Ward			
162	29-May-06	S. Schwenk, P. Jones, D. Strong, A. Strong			
161	29-May-08	A. Strong, D. Strong, P. Jones			
159	4-Jun-01	P. Ward, K. Ward			
157	26-May-01	A. Strong, S. Schwenk			

# COUNTRIES / REGIONS

COUNTRY/ REGION	#	DATE (d/m/y)	PARTICIPANTS				
Antarctica	24	4-Dec-95	N.Brinkley, S.Tingley		87	5-Apr-00	P.Kaestner; H.Kaestner
	20	29-Dec-04	G.Mackiernan, B.Cooper, P.Clement,		42	23-Dec-98	B.Maybank, J.Waldron
			A.Quinn, P.Colston	Cyprus	103	21-Apr-95	S.M.Lister, M.C.Hall
	17	19-Dec-87	D.Paulson		84	20-Apr-87	S.M.Lister
Antigua	66	10-Apr-07	S.Buckingham	Djibouti	95	2-Sep-01	P. Kaestner
	64	24-Dec-08	S.Buckingham		85	1-Sep-01	P. Kaestner
	60	3-Jan-08	S.Buckingham	Dominica	47	29-Jun-07	S.J.Dinsmore, J.J.Dinsmore, Go.Brown,
	43	24-Jul-95	S.M.Lister, M.C.Hall				Ge.Brown, J.Gilliam
Argentina	149	8-Nov-03	R.Batchelder, A.Earnshaw		39	17-Jan-98	J.Meyer
	142	20-Jan-93	A.Jaramillo		32	28-Apr-96	B.F.Master, S.Master, M.Flieg,
	120	6-Dec-05	F.Toldi, J.Toldi	Dominican	66	10-Apr-95	H.Davidson, D.Albright, K.Garwood
	52	5-Feb-03	C.Campbell	Republic			B.F.Master, S.Master, A.Hill, A.Small,
Aruba	72	12-Mar-05	S.Mlodinow	Ecuador	181	13-Nov-96	T.Eastman,
Australia	249	13-Oct-96	A.P.Anderson, J.Grant, E.Sticklen,				P.Coopmans, B.J.Rose, S.Rose, Donald
			G.Holmes		173	10-Feb-07	Traver, Donna Traver
	202	12-Dec-82	H.Beste, R.Dunkerton		109	27-Jul-93	B.F.Master, S.Master, M.Levy, A.Hill
	182	17-Jul-81	H.Beste, R.Dunkerton	Egypt	80	17-Sept-04	P.Kaestner
Austria	108	6-May-90	W.Firbas, U.Firbas		69	19-Apr-64	H.C.Kyllingstad
Bahamas	80	24-Jan-01	S.Mlodinow	El Salvador	66	31-Dec-89	S.M.Lister, M.C.Hall
	76	17-Jan-02	S.L.Doud, M.Duffey	England	44	8-Jul-04	L.Hintz, M.Vimmerstedt
	74	12-Oct-99	B.Hallett, T.White, A.Bainton,		147	11-May-96	D.W.Taylor, D.H.Tomlinson,
			W.Bracey				M.Sutherland, B.Davison
	71	10-Jan-00	S.L.Doud, J.E.Sweeten (Andros)		145	7-May-89	D.W.Taylor, D.H.Tomlinson, B.Bland,
Bahrain	81	5-Feb-07	A.Shell, H.King		144	8-May-94	A.Henderson
Barbuda	47	8-Dec-99	J.Marshall, M.Marshall		115	11-May-96	D.W.Taylor, B.Bland, A.Henderson,
Belize	202	30-Apr-99	L.Jones, S.Tillett, M.England				I.Hodgson
	177	19-Mar-00	A.Guarente, G.Crawford, J.Ginaven,		84	5-May-95	J.Cantello, D.Wrathell, S.Wrathell,
			K.Loughlin, N.Pulcinella,		77	10-May-99	D.Allen (bicycle/foot)
			D.Washabaugh		75	17-May-00	P.Larkin (Big Sit)
Bermuda	133	26-Feb-00	J.Marshall	Estonia	109	7-Jun-94	D.Taylor, D.Wilson, B.Boleans (Big Sit)
	72	16-Oct-99	M.Allaire, A.Dobson, L.Walker				D.Taylor, R.Thompson,
Bhutan	96	22-Feb-05	G.Mackiernan, P.Clement, B.Cooper,	Ethiopia	189	10-Sep-01	D.Wilson (Big Sit)
			R.Jagus		174	19-Aug-01	B.F.Master, D.Master
Bolivia	160	21-Dec-76	V.Remsen		<b>155</b>	<b>3-Jun-08</b>	P. Kaestner, M. Gebremichael
Botswana	107	1-Nov-81	B.A.Allen, J.Wilson	France	181	7-May-94	P. Kaestner, M. Gebremichael
Brazil	180	6-Dec-03	P.Kaestner		153	15-May-93	<b>B. Master, K Behrens</b>
	167	21-Nov-91	D.Stotz, W.Silva				J-P.Siblet, L.Spanneut, B.Bougeard
	142	7-Nov-03	B.F.Master, P.Bono		145	20-May-99	J-P.Siblet, L.Spanneut, B.Bougeard,
	135	25-Feb-00	B.F.Master, P.Bono				J-P.Delapré
Brunei	124	10-Nov-96	P.Kaestner	Galapagos	47	14-Aug-84	D.W.Taylor, D.H.Tomlinson, B.Bland,
Bulgaria	97	13-May-97	H.Turner, D.Georgiev, R.Walton,				I.Hodgson
			J.Schmidt, F.Brazier				F.Hayes, W.Baker, G.Bennett,
	49	5-Aug-92	S.M.Lister, M.C.Hall, D.Gosney	Gambia	127	31-Mar-91	T.Rochester
Cambodia	69	3-Jan-07	B.F.Master, S.Myers	Germany	122	1-Jul-82	S.M.Lister, M.C.Hall, Y.Jaiteh
Cameroon	135	11-Oct-97	P.Kaestner	Grand Cayman	74	27-Oct-02	N.Brinkley
Cameroon	121	12-Sep-94	P.D.Burtch, R.Quantril, B.Quantril	Islands			N.Norman, T.Baxter, B.Barlett
Cayman Islands	64	4-Apr-01	B.F.Master	Greece	77	28-Sept-05	P.Ward, K.Ward
	46	24-Jun-00	C.H.Gambill		61	19-Apr-03	G.Oliosio
	41	7-Mar-99	M.McHugh,	Grenada	36	18-Jul-95	S.M.Lister, M.C.Hall
			L.Hart. (Grand Cayman Is.)		30	21-Apr-96	B.F.Master, S.Master, M.Flieg,
	34	10-Nov-96	T.Fitzpatrick	Guadeloupe	29	30-Apr-96	H.Davidson, D.Albright, K.Garwood
Chile	83	5-Nov-02	B.Master, S.Howell				B.F.Master, S.Master, M.Flieg,
	75	2-Nov-99	A.Jaramillo, T.Witt, D.Donsker	Guyana	150	6-Jan-99	H.Davidson, D.Albright, K.Garwood
	62	10-May-90	B.Swift, A.Hade, M.Rodriguez	Guatemala	225	7-Apr-02	P.Kaestner, J.Berry
Colombia	144	3-Feb-84	S.Hilty, J.Vardaman		208	1-Apr-01	P. Kaestner, W. Plomp
Comoros Islands	20	13-Feb-99	P.Kaestner		192	18-Nov-01	P. Kaestner, J. Barry
Costa Rica	308	2-Apr-00	D.Rogers, J.Vandergaast, J.Fossani	Honduras	149	6-Jan-01	P. Kaestner
	306	8-Apr-99	D.Rogers, J.Zook, J.Vandergaast	Hungary	144	13-May-01	G. Magavar, A. Schmidt, E. Sos
	292	18-Apr-98	D.Rogers, J.Zook	Iceland	50	23-Jun-08	M. Willison, R. Willison
	162	8-Oct-63	R.Ryan, N.Boyajian (on foot)		49	27-Jul-95	N.Brinkley, B.Cary, J.Nussman,
Croatia	78	16-Apr-01	S. Lister, M. Hall				J&M.Cressman.
Cuba	112	6-Apr-00	P.Kaestner		48	25-Jun-08	M. Willison, R. Willison
					47	24-Jun-08	M. Willison, R. Willison

	46	26-Jun-08	M.Willison, R.Willison	P.New Guinea	215	7-May-83	P.Kaestner, B.Finch
	43	22-Jun-08	M.Willison, R.Willison		208	13-Mar-83	P.Kaestner, B.Finch
India	166	14-Nov-81	B.Kaestner, H.Kaestner	Paraguay	180	21-Oct-89	F.Hayes, P.Scharf, J.E.Argana
	161	21-Dec-94	B.F.Master, P.Holt, B.Behrstock, J.Bangma		162	20-Oct-89	F.Hayes, P.Scharf, J.E.Argana
	146	22-Feb-84	B.King, J.Vardaman	Peru	148	9-Dec-88	F.Hayes, D.Snider, T.E.Perrin
Indonesia	105	7-Jun-79	C.Escott		331	5-Sep-82	T.Parker, S.Robinson
Ireland	122	29-Apr-89	C.Murphy, C.Brewster, D.Knight, S.Foster	Portugal	278	16-Oct-81	T.Parker, J.Vardaman
	120	8-May-91	C.Murphy, S.McKee, R.Chambers, C.Mellon		113	14-Oct-96	M.Bolton, C.Beale, M.Roberts, G.Rawcliffe
Italy	87	26-May-05	W.Firbas, W.Lindinger, W.Smetana, H.Walter	Poland	108	24-Feb-96	G.Elias, C.C.Moore
	64	23-Aug-95	W.Firbas, E.Mader		104	2-Aug-96	G.Elias, J.Braga
Ivory Coast	73	27-Dec-05	T.Witt, N.K.Borrow	Puerto Rico	108	25-Jun-01	S.Gaulin, B.Hince
	25	27-Nov-78	P.Kaestner		94	23-Apr-74	H.Snyder, S.Den, P.Lehman
Jamaica	109	23-Mar-93	P.P.Marra, J.I.Lovette	Qatar	74	22-Jan-96	P.D.Hunt, S.Burson, B.Steele, L.Gates
	76	10-Mar-92	M.Lysinger, J.Arnett		43	8-Nov-05	B.Halladay, I.Halladay
	74	10-Mar-91	P.D.Hunt, P.Marra	Rwanda	30	5-Nov-04	I.Halladay, B.Halladay
Japan	148	10-Aug-64	C.R.Johnson, A.Sasaki	St. Kitts	41	6-Aug-86	N.Brinkely, D.Scotts
Kenya	290	25-Feb-84	D.Turner, T.Stevenson, D.Richards	St. Lucia	33	24-Jul-99	S.M.Lister, M.C.Hall
	264	2-Dec-79	J.Gerhart, D.Turner		53	1-Jul-07	S.J.Dinsmore, J.J.Dinsmore, Go.Brown, Ge.Brown, J.Gilliam
	248	19-Nov-78	J.Gerhart, J.Miskell, S.Wallace		43	24-Apr-96	B.F.Master, S.Master, L.John, M.Flieg, H.Davidson,
					36	12-Jan-98	J.Meyer, D.Albright, K.Garwood
					31	16-Apr-95	B.F.Master, S.Master, A.Hill, A.Small, B.J.Rose, S.Rose
Loyalty Islands (Lifou)							B.F.Master, S.Master, M.Flieg, H.Davidson, D.Albright,
	24	22-Dec-08	G.Mackiernan, B.Cooper	St. Vincent	39	22-Apr-96	B.F.Master, S.Master, M.Flieg, H.Davidson, D.Albright,
Madagascar	58	21-Dec-93	B.F.Master, B.Finch				
Malaysia	94	3-Mar-03	B.Master, J.Dunn, D.Young	Sao Tome & Principe			
	73	16-Aug-99	S.Rajathurai (Big Sit)		44	26-Sep-97	P.Kaestner, J.Gerhart, K.Garwood, B.Davidson
Mali	76	27-Dec-03	M.Cri.Ickmore				
	63	10-Aug-90	T.Cable, R.Marshall	Saudi Arabia	112	6-Sep-01	G. Bletsch
Marianas Islands					106	7-Apr-83	J&T.Heindel, C&W.Peterson
	23	15-Sep-82	P.Kaestner		103	7-Sep-00	G.Bletsch, P.Webb, A.Webb
Marshall Islands	16	18-Feb-77	D.Anderson	Sechelles	33	22-Nov-98	B.F.Master, S.Master, A.Skerritt
	14	20-Apr-76	D.Anderson		32	3-Sep-99	K.Lefriede, K.Selima
	13	1-Apr-76	D.Anderson	Senegal	105	31-Jan-93	N.Maybank, S.Finnegan
Martinique	30	25-Apr-96	B.F.Master, S.Master, M.Flieg, H.Davidson, D.Albright,	Singapore	129	30-Jan-99	S.Rajathurai, M.Landenburger
	229	18-Oct-02	J.Montejo, R.Straub, A.McAndrews		128	1-Jan-99	S.Rajathurai, W.L.Keng
	201	23-Dec-01	K. Kaufman, R. Taylor, C. Green, K. Garwood		125	23-Oct-99	S.Rajathurai, B.McCartney, R.McCartney
	191	16-Nov-89	R.Taylor, C.Green		59	2-Apr-99	S.Rajathurai, S.Subaraj (Big Sit)
Morocco	108	1-Jan-94	S.M.Lister, M.C.Hall, D.Gosney	Solomon Islands	49	13-Nov-07	B.F.Master
	99	30-Dec-93	S.M.Lister, M.C.Hall, D.Gosney		40	16-Jun-02	B.F.Master
Namibia	217	26-Nov-94	C.Hines, D.Farr, M.Paxton, P.Lane	South Africa	247	7-Nov-87	D.Cyrus, N.Robson, H.Chitenden, P.Outhwaite (Natal)
Nepal	158	26-Feb-84	B.King, J.Vardaman, K.Ram		232	11-Sep-85	D.Cyrus, G.Nichols, N.Robson (Natal)
Netherlands	190	10-May-03	R.Haas, W.Leurs, L.Heemshelk, J.van der Laan		230	8-Nov-86	D.Cyrus, N.Robson, H.Chitenden, P.Outhwaite (Natal)
	176	15-May-96	J.van der Laan, R.de Haas, L.Heemskerck, W.Leurs	South Korea	42	3-Oct-81	H.H.Puppe, Y.Moo-boo
	163	15-May-89	B.Pieterse, J.W.de Roever, W.E.M.van der Schot		34	4-Oct-81	H.H.Puppe, Y.Moo-boo
	161	19-May-91	M.Berlign, T.Kompier, T.Luijendijk, A.Meijer	Spain	97	27-May-04	G.Mackiernan, B.Cooper
New Caledonia	40	24-Nov-07	B.F.Master		95	18-Jun-89	J.Parmeter, J.Strauss, E.Strauss
Nicaragua	56	12-Mar-98	M.E.Petrucha, G.R.Urquhart		74	21-Jun-85	D.Mark, B.Feltner
	53	3-Feb-01	P. Kaestner, J. Carlos, M. Sanchez	Sri Lanka	95	13-Nov-07	B.F.Master
	21	16-Jul-07	L.Hintz		85	10-Jul-97	S.M.Lister, M.C.Hall
Niger	57	24-Jan-04	M.Crickmore	Sudan	54	2-Apr-92	R.Holbrook, J.Lewis
Nigeria	76	11-Mar-02	K.Burton	Suriname	173	2-Jan-84	R.Ridgely, J.Vardaman
	63	10-Mar-02	K.Burton	Switzerland	125	2-May-09	M. Gawn, R. Prior, M. Bowman
	61	5-Sep-87	P.Kaestner		75	28-May-87	B.Swift, L.Maumary
N. Ireland	133	8-May-93	C.Murphy, S.McKee, C.Mellon, D.Hunter	Tanzania	146	28-Sep-98	P.Kaestner
	122	29-Apr-89	C.Murphy, C.Brewster, D.Knight, S.Foster	Thailand	180	2-Mar-84	B.King, P.Round, J.Vardaman
Oman	117	2-Nov-97	D.Sargeant, M.Sargeant	Trinidad	177	23-Sep-01	M. Kenefick, F. Hayes, B. Hayes
Panama	300	22-Mar-97	W.D.Robinson, D.Christian		167	7-Sep-00	F.Hayes, M.Kenefick, B.Sanasie
	255	25-Jan-84	R.Ridgely, J.Vardaman	Tobago	151	25-May-77	J.Funk, R.Randall, D.Heller, L.Calderon
					113	8-Oct-01	N.George, F.Ahyes, M.Kenefick
					100	16-Oct-00	F.Hayes, M.Kenefick, B.Sanasie, B.Hayes
					86	26-Dec-93	B.Maybank, T.Yip-Hoi, J.Taylor, J.Waldron, K&M Allsebrook

Turkey	129	29-Apr-95	J-P Sibley, B.Couronne
	113	12-Jun-07	S.Bekir, B.Swift, M.Swift
Uganda	260	16-Nov-70	M.Fogden
	61	13-Aug-86	N.Brinkely, D.Scotts
Uruguay	65	25-Jan-08	G.Mackiernan, B.Cooper, P.Ginsberg, A.Carriquiry
	33	23-Nov-03	R.Batchelder
U.S. Virgin Islands	64	13-Oct-02	F.Hayes, B.Hayes
	30	15-Nov-97	T.Fitzpatrick
Vanuatu	33	15-Jun-85	P.Kaestner
Venezuela	192	30-Oct-85	C.Parrish, B.Swift
	160	30-Aug-86	B.Swift, I.Branger, E.Cartaya
Vietnam	<b>116</b>	<b>5-Mar-09</b>	<b>G. Mackiernan, B. Cooper, P. Colston, P. Smith, T. Quinn, U. Treesucon, S. Wechsler</b>
	85	16-Sep-65	C.R.Johnson, R.DeWitt, D.Long
Yemen	110	8-Mar-06	P.Kaestner, H.Kaestner
	81	24-Oct-04	T.Witt, D.Farrow
Zambia	288	6-Dec-75	R.Dowsett, D.Aspinwall, T.Osborne
	273	2-Nov-74	R.J.Dewsett, D.R.Aspinwall, W.F.Bruce-Miller, T.O.Osborne
	273	30-Nov-75	R.J.Dowsett, T.O.Osborne
Zaire	135	20-Jul-78	P.Kaestner
Zimbabwe	196	30-Jan-88	S.L.James, B.Wright, L.Schwab

## PROVINCIAL & STATE RECORD BIG DAYS BY MONTH

AREA	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ABA	176	175	213	260	230	202	213	199	177	178	178	176
CAN	127	109	105	163	205	202	182	167	154	121	117	121
48	176	175	213	258	230	189	213	199	177	178	178	176

PROVS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AB	27	0	0	0	178	<b>207</b>	150	80	118	80	56	41
BC	127	109	105	163	196	162	176	120	136	121	117	121
MB	31	41	0	0	214	212	182	167	154	105	73	<b>37</b>
NB	22	0	20	55	82	138	0	100	75	0	0	0
NL	22	27	37	31	78	76	117	64	106	78	0	27
NT	0	0	0	0	0	64	0	41	0	0	0	0
NS	39	80	72	72	131	145	93	106	101	85	62	70
NU	0	0	0	0	0	0	36	0	0	0	0	0
ON	81	64	86	<b>111</b>	200	180	165	135	115	110	91	61
PEI	40	40	<b>51</b>	69	128	141	0	104	108	51	69	<b>69</b>
PQ	0	0	13	77	175	166	42	51	78	101	0	0
SK	0	0	0	0	174	202	70	161	0	0	0	0
YT	0	0	0	0	40	82	50	67	0	0	0	0

STATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AL	128	129	132	202	<b>165</b>	112	114	<b>129</b>	151	131	140	110
AK	39	40	54	63	117	125	61	72	63	29	60	48
AZ	150	164	162	191	196	171	131	199	158	147	137	137
AR	64		64	140	168		76	118			115	
CA	176	175	178	231	217	178	170	170	177	178	178	166
CO	110	100	100	152	204	<b>183</b>	160	176	<b>161</b>	127	105	107
CT	103	86	112	140	186	145	136	132	131	92	102	104
DE	100	105	109	159	199	105	109	133	130	107	108	114
DC		68	81	101	134						60	57
FL	159	156	163	179	170	144	148	137	140	158	161	163
GA	142	146	139	192	174	147	132	147	157	154	141	145
HI	52	56	52	51	50		53	46	59	81	57	56
ID	75	93	102	125	156	183	132	105	104	75	81	80
IL	103	97	118	168	184	143	128	123	141	127	105	100

IN	80	77	86	125	193	139	119	107	125	121	81	82
IA	36	64	81	121	204	114	103	109	112	91	73	68
KS	102	102	122	164	225	139	146	155	136	144	103	103
KY	100	102	111	174	187	134	126	130	136	118	100	102
LA	158	160	176	215	189	143	149	143	160	157	165	161
ME	57	44	58	68	178	123	91	65	81	85	74	61
MD	135	83	136	108	206	177	174	151	115		120	
MA	83	91	101	101	185	151	128	98	102	108	94	90
MI	75	91102	121	203	189	149	141	152	124	100		85
MN	63		92		204	151	90	148	136	56	46	
MS			140	175	171	125		74			102	
MO	87	88	115	155	208	<b>140</b>	117	133	109	115	102	93
MT	71	76		91	147	192	174	132	129	<b>100</b>	70	
NE	83	79	98	129	203	133		88	135	115	97	86
NV	76	80	139	124	162	133	127	109	117	91	121	99
NH	78	75	77	118	170	151	141	114	116	109	92	71
NJ	109	104	116	146	229	164	148	141	144	128	125	118
NM	116	113	112	178	200	111	<b>143</b>	177	170	<b>128</b>	112	100
NY	80	64	94	126	202	158	131	128	118	118	93	69
NC	82	<b>120</b>	87	167	184	141	106	110	80	97	<b>125</b>	<b>132</b>
ND				106	167	126	122	131				
OH	82	87	103	159	205	152	141	135	138	121	98	85
OK	85	95	104	177	182	78	76	105	129	117	92	75
OR	112		107	143	216	219	213	116	151			
PA	90	78	101	132	178	141	110	114	109	116	<u>104</u>	80
RI	92	87	88	105	159	123	113	85	88	106	98	90
SC	121	110	141	179	177	148	129	131	134	137	128	126
SD	42	41	82	89	175	107	154	102	108	91	69	49
TN	100	107	111	151	174	121	116	120	117	117	102	100
TX	174	181	213	260	203	165	163	165	161	176	175	176
UT		84	89	117	202	148	147	128	92			
VT	58	55	72	122	<b>177</b>	167	139	151	132	107	60	74
VA	77	86	89	94	178	106	91	95	<u>159</u>	101	105	110
WA	110	112	121	143	201	157	119	120	121	113	100	102
WV	54	40	53	73	146	115	68	46	64	44	51	52
WI	76	94	112	172	230	147	157	186	194	158	137	93
WY	46	47	49	103	180	109	141	112	81	76	70	