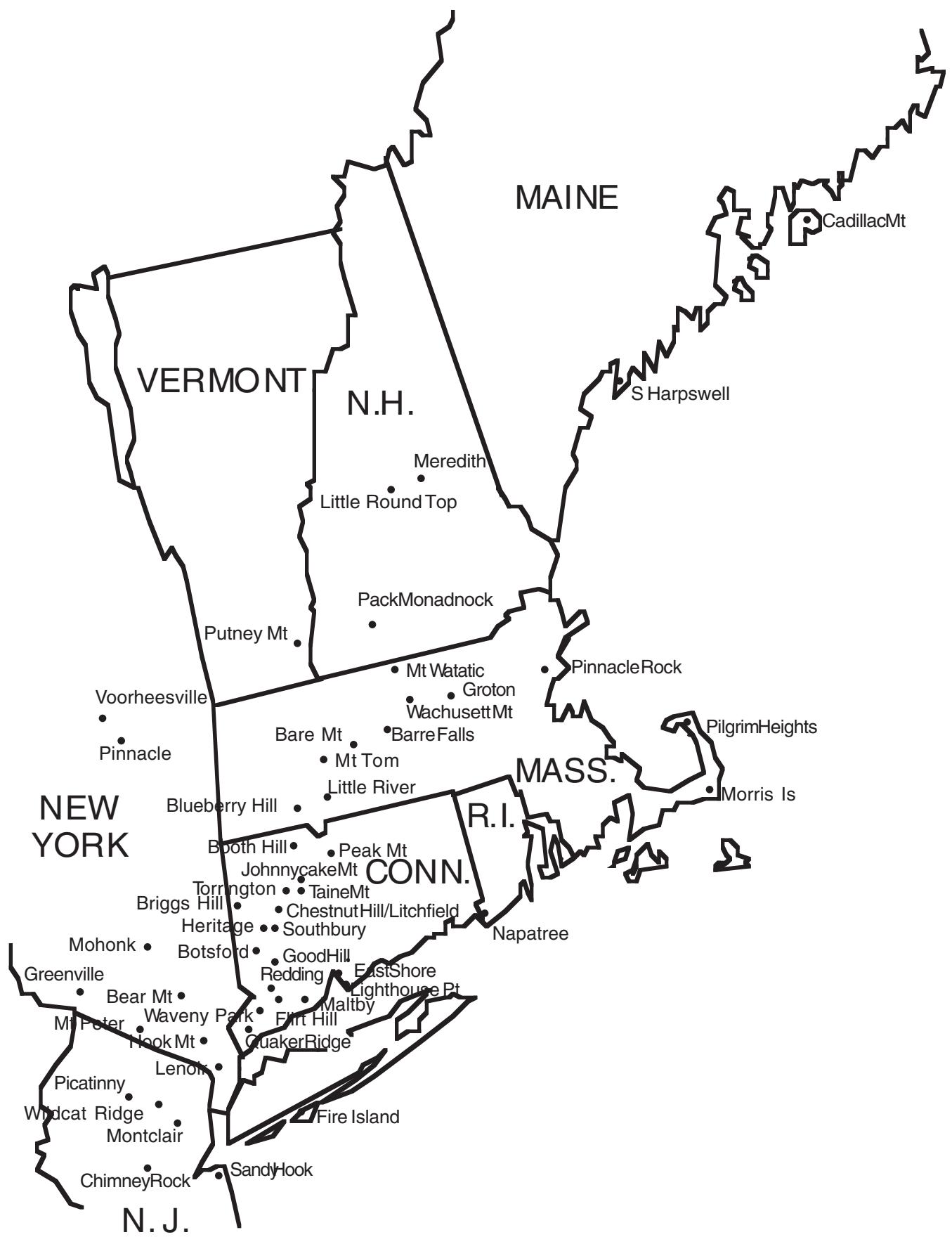




2006 HAWK MIGRATION



NORTHEAST HAWKWATCH SITES



NORTHEAST HAWKWATCH REPORT

The North East Hawk Watch promotes the systematic study of migrating hawks in New England, eastern New York, and northeast New Jersey. The planning for NEHW activities is carried on by the Officers and a Board of Directors. Membership is open to anyone. Annual dues are \$10 payable to the treasurer: John Weeks, 51 Pheasant Run, N. Granby CT 06060. Other officers: Paul Roberts, President - 254 Arlington St. Medford, MA 02155; Robert DeCandido, Vice President, 1831 Fowler Ave., Bronx, NY 10462-3708; Seth Kellogg, Clerk - 377 Loomis St. Southwick, MA 01077

-----IMPORTANT-----

All daily reports of counts should be reported promptly online through a service offered by the Hawk Migration Association of North America. The address for this raptor reporting program is www.hawkcount.org. The system is designed to reduce the reporting time and effort of volunteer counters while at the same time insuring that, once recorded, data are secure, uniformly formatted, and accessible according to a clearly stated and structured data use policy. Participating in Hawkcount requires setting up an account on the hawkcount.org site. To do so, visit www.hawkcount.org and click the 'Account Request' link. Your contact information and site details will be authenticated and an account created. To receive daily reports from all sites using the hawkcount program, subscribe to BIRDHAWK, which can be done by visiting the HMNA homepage at www.hmana.org, and following the instructions there.

If you are unable to use this online reporting system, single day (hourly) white report forms and seasonal summaries of daily totals should be sent to the state coordinators listed below by August 1 (spring) and February 1 (fall). Timely submission is essential if this report is to be printed and mailed to you on time.

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The front cover is by Paul Carrier of Harwinton, Connecticut, who has been drawing our covers since 1974. The NEHW logo was designed by Sue Fogleman of New Hampshire.

To support the work of the Hawk Migration Association of North America and receive the journal, Hawk Migration Studies, send a check for \$25 covering dues for one year to the Membership Secretary: Mark Blauer, P.O. Box 1, Nescopeck, PA 18635

THE 2006 SPRING MIGRATION

COVERAGE AND SITE ACCOUNTS

Counts were received from eight watches. Sandy Hook again did not submit data, although the director and the naturalist at the sanctuary say a count was taken. Hours were increased at Bradbury Mt and Wildcat Ridge, and significantly so at Peak Mt. Coverage declined slightly at Barre Falls and Montclair, but Blueberry Hill suffered a significant decrease. Pilgrim Heights had virtually the same hours as the previous year. The Plum Island watch had significant hours for the first time in some while.

Montclair had its best Broadwing flight since 2002, but every other species except Black Vulture was down substantially. The per hour count of species other than vultures and Broadwings was the lowest ever recorded in 25 years of Spring coverage. The Kestrel count was 35% of the 22-year average. There were similar low numbers of Osprey, Harrier, Sharpshin, Redshoulder, and Redtail. Even Turkey Vulture was extremely scarce. Merlin, Cooper's Hawk, and Bald Eagle did not do too badly, although all were low compared to recent years.

Most species improved at **Wildcat Ridge**, and not just due to the reversal of the downward coverage trend. The Broadwing was well up compared to the previous four years and it was a record count of Cooper's Hawk. Redtail and Redshoulder rebounded from 2005, as did Osprey and Sharpshin. Kestrel remained dismally low, but four Merlins and four Peregrines made up a bit for two goose eggs in 2005.

The only Connecticut watch is **Peak Mt** in East Granby, which nearly doubled its coverage, but still increased its per hour rate. This is the only full time Spring site ever in Connecticut, and the numbers prove the worth of the long delayed effort. All the site record totals are also state records. After recording all 16 of the regular species in 2005, only the Goshawk was missed in 2006.

The **Barre Falls** watch set the standard for the Broadwing in 2006, plus impressive counts of all other species except Kestrel. In addition to the record Broadwing total, the Redtail was well above average. Other species were near that level. There was not much to cheer about at **Blueberry Hill** with coverage so low.

After a poor year in 2005, **Pilgrim Heights** improved its Osprey and Kestrel counts significantly, but most other species remained scarce. Merlin and Peregrine were a little above average, and the Redshoulder set a new season record. June hours in 2005 at this site were not included in the data published in the last report, but they are included on the last page of this report.

With 60 hours of coverage the **Plum Island** watch renewed the sense that this is an important window on the Kestrel and Merlin passage. It was the third year of coverage at **Bradbury Mt**, and the Broadwing count remained strong. Most species kept pace with the jump in coverage, with an especially robust count of Osprey.

SPECIES ACCOUNTS

After two mediocre springs, it was a big improvement for **Broad-winged Hawk**, lifting it 12% above the 10-year average per hour. Just over half the total migrants were this species.

It was big recovery from a poor 2005 for the **Osprey** and its per-hour rate was a third above the 10-year average. The **Bald Eagle** stumbled quite a bit, dropping 8% below its 10-year average and matching the low absolute count of 2002. The **Northern Harrier** really took a dive, to a point 35% below the 10-year average.

The effect of the loss of Sandy Hook was even pronounced in 2006, as accipiters accounted for only 14% of the migrant flight, compared to 21.6% in 2005 and 25% in 2004. **Sharp-shinned Hawk** numbers dropped another 18.5% after the 43% drop from 2004 to 2005. That was 33 % below the ten-year average per hour. The **Cooper's Hawk** followed suit with a 36% decrease from 2005 to a level 35% below the ten-year average.

The Spring of 2006 saw a slight recovery for the **American Kestrel**, but the numbers are still in the basement. There were 17% more birds compared to 2005, but this was still 24% below the 10-year per-hour average, and 62% below the 22-year average. **Merlin and Peregrine Falcon** showed meagre increases that left the Merlin at 45% below the 10-year average, but the Peregrine was only barely below that mark.

The **Red-shouldered Hawk** disappointed at 33% below the good 2005 figure and 27% down from the 10-year per-hour average. The **Red-tailed Hawk** had a similar fate, falling 28% below 2005 in numbers, equaling its 10-year per-hour average

Even the steady **Turkey Vulture** met with a roadblock, dropping by a third in the absolute count compared to 2005. It was 18% below the average per-hour and less than half the heady level of 2004. **Black Vultures** came in with the same numbers as 2005.

The only **Rough-legged Hawk** was one at Peak Mt on 3/26, while **Golden Eagles** were at Peak Mt on 3/28 and **Wildcat Ridge** on 3/4 and the late date of 5/6. Pilgrim Heights had two **Mississippi Kites** on 5/29 and one on 6/27, while Peak Mt noted one on 6/16.

FLIGHT ACCOUNT

There was very little migration in February and early March, but watchers at Peak Mt and Wildcat Ridge were not deterred. Through March 5, the first day when Barre Falls and Pilgrim Heights made a stab at it, only 50 migrants in 65 hours were recorded. Of these 23 were Turkey Vultures and 23 Redtails.

On March 5 winds turned light and variable until strong SW winds on March 10 warmed up the region. This continued with a day of moderate west winds, and then a weak front brought a day of clouds and rain. The front retreated north on March 13 and gave us another warm day. Those five days brought an early push of vultures, Redshoulders, and Red-tailed Hawks. Barre Falls counted an unusually high 45 Redtails along with 6 Redshoulders on March 11. Peak Mt noted 7 Redshoulders that day.

The next week was a stable, cool period that featured mostly strong west to northwest winds as a low pressure lingered over and off the Maritimes, pumping air down from eastern Canada. It was weather only a few very eager vultures could handle. Following this, weather systems slowed, but light to moderate

winds, mostly from the north, did not encourage migration.

There were 65 days of watching for 268 hours. Migrants totalled 669 for a per hour rate of 2.5 per hour. The 358 buteos comprised 54% of the flight. Vultures numbered 125 and accipiters 98. There were 14 falcons, 17 Harriers, 10 Bald Eagles, and 5 Ospreys. An early Broadwing was reported at Montclair March 16. The first Osprey was March 23 at Montclair.

After a slow moving high pressure slipped off the coast March 30-31, the drought of favorable weather continued as two storms came quickly through, each stalling again over the Maritimes. This set up a prolonged and sometimes very strong northwest and west flow through April 6. The period ended with two days of showers and clouds as a new front moved through April 8, dragging the low pressure with it far off shore.

Watchers persisted in this period for 56 watch days totalling 254 hours. Only 934 migrants were counted at a rate of 3.7 per hour. Vultures were the prominent flyer at 351 birds, 38% of the total flight. Accipiters came in at 218 and buteos only 145. There were 98 falcons, 72 Ospreys, 20 Harriers, and 6 Bald Eagles. The peak daily Redtail count was a mere 18 at Peak Mt on April 5. Montclair counted 45 Turkey Vultures on March 29.

At mid month an enormous high-pressure system prevailed over the entire eastern half of the continent and brought us light and variable winds. The birds moved, but they flew all day, every day and everywhere, the dreaded dispersal syndrome, a repeat of 2005. On April 15 high pressure began sitting steady over Canada, bringing mostly clear skies, and light winds from the north and east. Fronts were stationary or drifting north and south, while clouds and showers were few and scattered. Temperatures were warm, though not the heat wave of the previous spring. Broad-winged Hawks flew over steadily every day along with modest numbers of other species. A front with rain finally dawdled through on April 22-23 but then sites opened again to eager migrants, with winds even turning southwest April 26-27. This two week stretch of good flights of Broad-winged Hawks saved what otherwise would have been a disastrous season.

There were 90 watch days and 492 watch hours over this period producing 7455 migrants, a passage rate of 15.2 per hour. There were 5030 Broadwings counted, 67.5% of the total. Sharpshins totalled 812, Ospreys 518 and Kestrel 475. The best Broadwing day before April 15 was 28 at Peak Mt on April 13. Counts were good every day between April 15 and 21, peaking at 266 on April 15 and 348 on April 16 at Montclair. After the storms delayed the flight it was even heavier, with 354 at Peak Mt and 608 at Barre Falls on April 25. There were 29 watch days between April 15 and 25 when the Broadwing count exceeded 50.

April 25 was the big day for other species too, especially for Barre Falls, where 52 Ospreys and 71 Sharpshins were tallied. Bradbury Mt also had 52 Ospreys along with 34 Sharpshins. Kestrels peaked earlier, with Bradbury Mt counting 55 on April 12 along with 35 Ospreys. Montclair garnered 41 Kestrels on April 11, and Pilgrim Heights had 23 on April 11 and 26 on April 25.

The watches continued into May and June with 65 more watch days totalling 339 hours. Migrants came to 1266, a rate of 3.7 per hour. There were 360 Broadwings, 218 Sharpshins, 205 Ospreys, 198 Turkey Vultures and 118 Kestrels. Pilgrim Heights count 40 Broadwings on June 12, 19 Ospreys on May 17 and 18, 42 Sharpshins, 25 Kestrels, and 19 Ospreys on May 5.

THE 2006 FALL MIGRATION

SITE ACCOUNTS

There were 49 sites reporting, one more than 2005. A new site was covered in far western Massachusetts on the border with New York. Matt Malin watched on Alander Mt in the town of Mt Washington for more than 51 hours. The only other change involved two watches in west/central Massachusetts. The Wampanoag site was not covered at all, but the minimal hours were replaced by a brief stint of watching at Quabbin Park. To correct an error contained in the 2005 Report, the full time watch at Duke Farms, added in 2005, as well as the long-running watch at Chmney Rock, were conducted by the New Jersey Avian Migration Project, not New Jersey Audubon.

The number of major watches (+200 hours) rose from 17 to 20, Shatterack Mt, Lenoir Preserve new to the list, and Morris Island returning after a year's absence. For the second year in a row Lighthouse Pt was the leader with 638 hours. Three sites broke the 500 barrier, with seven sites in the 392-424 range.

COASTAL MAINE AND MASSACHUSETTS

They did not break as many records as they did in 2005, but the **Cadillac Mt** crew did quite well enough, setting new highs for Harrier and Peregrine. The two smaller accipiters and Kestrel were below average and no Redshoulders is not a big surprise, since they are very rare here. Both Redtail and Bald Eagle made an especially good showing, though not the best ever. The Osprey had a very poor year at **South Harpswell**, reaching a point only 43% of average. Most other species were below average, though not by so much. Only Bald Eagle, Merlin and Peregrine showed strength. Sharpshin and Kestrel were very scarce, as they have been every year since 2000. After two good years the Broadwing also collapsed. After a poor coverage year in 2005, Don Manchester did his double duty trick to perfection, setting a new hourly high at **Morris Island**. Osprey, Sharpshin, and Redtail set new highs and the Peregrine count was very healthy. Only Harrier and Merlin disappointed, and it was no fun not seeing a single Kestrel despite the fact the average is only six a year.

NEW HAMPSHIRE AND VERMONT

Pack Monadnock built on its initial success in 2005 with a healthy increase of coverage, and were rewarded by an impressive jump in migrant numbers for every species. The modest gains by Bald Eagle and Merlin were the least of the story as most species doubled, tripled, even quadrupled their numbers. Even the Kestrel was among those that fit this pattern. The biggest increases were for Cooper's Hawk and Redtail. **Little Round Top** also bounced back from a very mediocre 2005 season, especially in counts of Sharpshin and Cooper's Hawk. The Broadwing and Bald Eagle totals were not too shabby, but Osprey continued very scarce. Things went the other way at the **Interlakes School** site in Meredith as they failed to hit any flights during their limited coverage.

The new watch in **Washington, NH** just about duplicated all its excellent counts from 2005, except for an increase in falcons and a drop in Ospreys. Putney Mt was pleased to achieve the complete coverage they had been aiming for, though they have been a major watch since 1998. Almost all numbers were only average, however, except for a good Redshoulder count and poor counts of Broadwing and Kestrel.

EASTERN AND CENTRAL MASSACHUSETTS

The noon-hour watch at **Groton** had more than its share of birds in very limited hours, but **Pinnacle Rock** suffered through mostly empty skies and a sharp decline in coverage. Coverage increased at **Mt Watatic** for the third year in a row, but the Broadwing count was cut in half, and few other species even approached the average. Only the Turkey Vulture and Merlin exceeded that figure. **Mt Wachusett** put in more hours than the previous two years combined, but the Broadwing dropped from the decent level of 2005 to the cellar-like rate of 2003-2004. The Cooper's Hawk, Merlin and Peregrine provided some positive feedback, but other species were well below average. **Barre Falls** remains the only full time site in this region, and it was a fine season there for a number of species, especially Osprey and Bald Eagle, which set record highs. They again enjoyed a stellar Broadwing flight, though it did not match the huge proportions of 2005. The late season was not good as Redtail and Redshoulder were in short supply.

CONNECTICUT RIVER VALLEY

This region has three traditional sites that deserve more effort but continue to have only modest coverage. **Mt Tom** and **Quabbin Park** both caught decent Broadwing days, while **Mt Holyoke** missed that boat. In its third year, **Shatterack Mt** leaped into the major site category with an increase of more than 100 hours of coverage. All three buteos were on the low side, but other species did great, especially Osprey and Harrier. Coverage was down after four 500+ hour years at **Blueberry Hill**. Most species were reduced in number with the exception of Redshoulder, Golden Eagle, and Merlin, which set record highs, and Cooper's Hawk, which just missed doing so. The Broadwing flight was a record, record low that is. The **Peak Mt** watcher helped out at Blueberry Hill, so missed any Broadwing flight, but almost all other counts were improved over 2005.

WESTERN CONNECTICUT

The nine early season watches did another yeoman job in this region, recording plenty of Broadwings in almost 400 hours of total coverage (up from 270). Best results were where the hours were, at **Torrington** (103), **Botsford** (90) **Chestnut Hill** (65) and **Flat Hill** (48). Hours at **Johnnycake**, **Taine Mt**, **Booth Hill**, **Litchfield**, and **Briggs Hill** ranged from 6 to 26. Botsford took first prize for most Osprey, Sharpshin, Broadwing, and Kestrel. Most of the few Redtail and Redshoulders were at Torrington, which counted the most Cooper's Hawks. Johnnycake had the most Bald Eagles, Harriers, and Merlins, as well as an early

Golden Eagle and an amazing Roughleg. The big Broadwing flights of years past are still a memory here.

COASTAL CONNECTICUT AND COASTAL NEW YORK

East Shore Park hours were the highest in a dozen years, and the counts were up too. They had the most Peregrines ever and Redtail tied its season high total. Turkey Vulture and Cooper's Hawk were well above average and Sharpshin was at its highest in years. Osprey and Kestrel continued scarce, however.

All falcons were miserably few at **Lighthouse Point**, with Kestrel at 39% of its average and barely above half of the 2005 total. Another good Cooper's Hawk count was outweighed by another poor Sharpshin count. Osprey was one bright spot, with the best number since 1994. Turkey Vulture set a new record high and Harrier, Redshoulder, and Redtail were all above average. The Broadwing total was more than twice 2005, but still below average.

We are not forgetting **Fire Island**, where Merlin is now the main migrant since the Kestrel started going below the radar. At least the 'pretty' falcon has been stable the last four years. If the Kestrel had kept dropping like it did in the period 1999-2003, this bird would be gone south, more extinct than migrant. The Merlin count was a record high, 33% above average. The Peregrine had its best year since 1997 at 18% above the average mark. Even the Sharpshin improved on four years of scarcity, and the Cooper's Hawk set a record high. The Harrier was at its most plentiful since 1992, but the Osprey stumbled badly at 45% of its average

SOUTHEAST CONNECTICUT

Hours increased to a record level at **Flirt Hill** and the count of Kestrels, a feature at this site, was encouraging. It was double the 2005 total and in the same ballpark as the 2002 figure. Every regular species except Turkey Vulture was above average, and most were record highs. Most notable were Bald Eagle and Redshoulder. There were low numbers at **Redding**, but also limited hours. The sixth year of watching at Waveny Park was the best by far, with a big Broadwing flight and robust counts of Osprey, Sharpshin, and even Kestrel. Hours were up, but not enough to reduce the significance of the good numbers.

The climb back from the disaster of 2003 is now complete at **Quaker Ridge**. Broadwings reached five figures and it was the best per-hour count for non Broadwings and vultures since full time watching began. Counts were impressive across the board, including a record 24 Golden Eagles. The Kestrel count was only a little above average, but we'll take it. Cooper's Hawk easily doubled its average while setting a record high. A normally modest Goshawk count was the only technical blemish on a marvelous season.

HUDSON VALLEY

The **Helderberg** watch managed another big jump in effort, but the migrant numbers did not follow suit. Only the Bald Eagle

showed improvement and Broadwings suffered a big drop. A modest increase in hours at **Summitville** led to a big jump in Bald Eagles and Sharpshins, and a good non-Broadwing/vulture per hour rate even though the Redtail count was low. Broadwings were more numerous, but Turkey Vultures and Ospreys did not show.

The huge increase in coverage brought **Lenoir Preserve** into the major site category, and records for Turkey Vulture, Bald Eagle, Sharpshin, Cooper's Hawk, and Redshoulder were the good result. There were plenty of Broadwings and Merlins, but most species counts were only average, and the Redtail was very scarce. **Mohonk Preserve** also watched for a lot more hours, and increased their per-hour rates over 2005, though they were still below average. The only record counts were for Bald Eagle and Cooper's Hawk.

Except for 2004 the **Bear Mt** coverage has been extremely consistent, so the low per-hour rate for non-Broadwings/vultures is significant. The Broadwing was slightly below average, but every other species was well below the mark, especially so for Sharpshin, Redtail, and Kestrel. The per-hour passage for all species at **Hook Mt** remained low for the fourth year in a row. The vultures and the Golden Eagle set impressive record highs, and most other species were above average, especially for recent years. The weakness was shown in Sharpshin, Kestrel, and Broadwing. **Mt Peter** is the third site in southern New York with long term, consistent coverage, and completes the poor picture here. Counts were similar to 2005, though slightly lower overall. Improvements for Osprey, Redshoulder, and Kestrel, were offset by surprising declines in Cooper's Hawk, Merlin, and Peregrine, as well as a steep dropoff in Redtails.

NORTHEASTERN NEW JERSEY

It was a heartening season at **Montclair** with per-hour counts up substantially, in fact above average for non-Broadwings and vultures. Bald Eagle, Cooper's Hawk, Redshoulder, and Peregrine led the charge with record-setting flights, while the Osprey, Harrier, and Merlin totals were also impressive. Even Sharpshin and Kestrel were only slightly below average. Only the Redtail was especially weak.

The Osprey was in good supply at **Picatinny Peak** and Bald Eagle set a record high, but overall and for most species it was an average season. Again, the Redtail was the main sign of weakness, aided by a below average Redshoulder count. Coverage was down again at **Wildcat Ridge**, which may have helped the per hour rate, but a better Broadwing flight also played a big part, along with improved counts for most species except, yes, Redtail. There were more hours at **State Line** and a lot more Ospreys. Their sudden appearance is a mystery, but perhaps it is for the same reason as vultures, a difficulty in separating out non-migrants. Accipiters and Broadwings did well, Kestrels poorly.

The New Jersey Avian Migration Project (**NJAMP**) has a distinguished record and now an official name, with Chris Aquila continuing as Director. The watch at **Chimney Rock** has now

completed its 16th year. The 2006 counts were an improvement over 2005 for every species except vultures, although the increases were slight in many cases. Harrier and Redtail were up the most compared to recent years, and even Kestrel had a higher count than 2005. The second year at **Duke Farms**, 4.3 miles west of Chimney Rock, again showed fewer migrants than its sister site, though the Broadwing counts in 2006 were similar. Falcons were about 30-40% of the count at Chimney Rock, and most other species ran at about 50-75%. Comparing the two years at Duke Farms, most species were startlingly close, except for pretty healthy increases in Harrier, Sharpshin, and Broadwing numbers.

SPECIES ACCOUNTS

A full recovery to previous numbers for the **Broad-winged Hawk**, may not be possible. The per-hour figure for 2006 was 25% below 2005 and even lower than 2004. This was 21% below the ten-year average. Though the September weather was still a bit quirky with weaker front and lots of east winds, it was good enough to have produced better flights than we saw.

The **Osprey** halted its four year decline and climbed back to match its ten-year average. There were more strong winds in 2006, but not enough to give us a real concentration. We now have three straight years of stable numbers for the **Bald Eagle**, perhaps indicating a slowdown in breeding expansion and success. After two poor years it was an excellent season for the **Northern Harrier**, increasing by 50% over 2005 to a point 15% above the ten-year average.

Another steady year for the **Sharp-shinned Hawk**, though it took a big late flight to make it possible. Per-hour numbers actually increased by 7% over 2005 and were slightly above the ten-year average. The **Cooper's Hawk**, paused in its steady climb, even dropping a smidge compared to 2005. It was still 23% above the 10-year average. The ratio of Sharpshin to Cooper's Hawk rose

to 7.7 to 1 in 2006.

The per-hour decrease in **American Kestrel** was very slight in 2006, which is welcome news. The figure has been virtually the same in three of the last four years. The small 2005 increase in the passage rate of the **Merlin** was followed by a slight decrease in 2006, giving this supposedly increasing falcon five years of stable numbers. However, the **Peregrine Falcon** showed another nice increase on top of a substantial jump in 2005. In 2006 it reached a level 16.5% above its ten-year average.

The **Red-shouldered Hawk** had a strong season, posting a 19% increase over 2005. It was 27% above the 10-year average.

The alternating weak and strong year pattern for the **Red-tailed Hawk** held true in 2006. From 11% above average in 2005, it dropped to 22% below average in 2006. That was almost a 33% drop to its poorest per-hour level in 29 years.

The **Turkey Vulture** per-hour count exceeded the Redtail for the first time ever. This took only a very minimal increase over 2005 to accomplish. After a huge increase in 2005, the **Black Vulture** settled back to its average over the past ten years.

There has been virtually no change in the **Northern Goshawk** or **Rough-legged Hawk** numbers over the past four years. Perhaps the **Golden Eagle** bears closer attention. The big increase in 2005 was followed by an even bigger one in 2006. Its total exceeded the Goshawk count for the first time ever. Only 15 birds were recorded in 2000, and the 'western' eagle has steadily increased to 181 birds in 2006, a jump of 70 over 2005.

In our 29 years of watching the NEHW has documented the return of the Bald Eagle, Cooper's Hawk, and Peregrine, the resurgence of vultures, and the decline of Broadwing, Sharpshin, and Kestrel. That is a lot, but there is still more to do.

HISTORICAL AVERAGES PER 100 HOURS FOR ALL SITES 1987-2006 WITH 10 & 20 YEAR AVERAGES

YR	SITES	HRS	BW	OS	BE	NH	SS	CH	AK	M	PF	RS	RT	TV	BV	NG	RL	GE	UR	TOT	XBWV
1987	23	5096	2615	140	3.3	53	648	23	248	35	6.5	14	90	49	2.6	0.2	0.6	45	3925	1261	
1988	26	5849	3263	153	3.2	42	523	20	227	39	4.7	11	76	45	2.2	0.3	0.6	41	4407	1099	
1989	27	5624	2127	190	2.5	49	652	34	269	47	8.3	13	74	32	1.4	0.4	0.6	43	3510	1351	
1990	35	6984	1604	159	2.7	36	604	48	233	58	11.1	18	100	54	2.3	0.4	0.5	42	2918	1260	
1991	49	7119	993	115	2.5	20	430	45	212	39	6.8	17	88	42	2.1	0.4	0.4	38	2051	1016	
1992	51	6436	1615	96	5	24	438	46	193	35	5.1	13	109	46	1.9	0.2	0.4	34	2662	1000	
1993	53	6584	3836	131	8	49	568	56	285	52	6.6	12	91	48	3.0	0.1	0.8	39	4745	861	
1994	57	8606	2388	93	6	41	431	33	261	38	4.4	13	80	40	1.1	0.2	0.7	25	3433	1005	
1995	59	8942	1674	103	6	34	417	35	175	35	6.6	21	122	50	1.0	2.2	0.2	1.1	25	2710	985
1996	59	9004	1816	79	9	15	330	31	123	28	6.4	17	83	58	0.8	1.8	0.4	1.0	19	2618	743
1997	64	10864	1228	85	8	21	407	35	120	23	8.9	14	61	46	1.5	2.5	0.3	0.7	25	2087	811
1998	70	11206	1519	89	10	37	368	35	142	31	6.6	15	67	56	1.7	1.8	0.4	1.2	20	2398	821
1999	57	10110	1396	97	10	33	399	41	144	37	9.0	19	134	65	1.0	3.0	0.4	1.3	25	2415	953
2000	58	9290	1829	71	9	20	306	35	102	22	5.9	11	65	57	0.8	1.5	0.3	1.0	20	2558	672
2001	60	10323	1306	65	8	25	363	34	107	27	7.4	15	77	60	1.4	2.0	0.2	0.9	19	2117	749
2002	51	8421	1533	92	12	24	374	37	121	33	7.7	12	62	61	1.6	1.5	0.2	0.9	21	2394	799
2003	52	8656	421	76	11	32	346	42	85	30	7.9	14	93	55	1.8	1.5	0.3	0.9	19	1240	762
2004	48	8074	1030	70	16	19	362	45	98	30	7.5	17	68	61	2.5	1.4	0.2	0.9	17	1802	713
2005	48	8837	1332	68	14	20	349	50	84	33	8.7	16	89	67	6.1	1.6	0.2	1.3	16	2159	755
2006	49	9739	993	79	15	30	375	49	82	32	9.2	19	60	68	2.1	1.6	0.1	1.9	17	1834	771
10-YEAR AVG		9522	1259	79	11	26	365	40	109	30	7.9	15	77	60	2.1	1.9	0.3	1.1	20	2100	780
20-YEAR AVG		8288	1726	103	7.9	31	434	39	166	35	7.3	15	84	53	1.9	2.0	0.3	0.9	28	2699	919

BROAD-WINGED HAWK DAILY TOTALS AT WATCH SITES IN SEPTEMBER 2006

SEP	10	11	12	16	17	18	20	21	22	25	26	27	30
Cadillac Mt	136	22	13	3	0	0		0	56	226	4	0	
Pack Monadnock NH	962	3044	641	777	598	279	47	33	20	11	5	981	18
Little Round Top	21	157	91	1176	239	137	101	0					
Washington NH	249	412	69										
Putney Mt VT	352	370	217	187	158	58	92	68	35	23	12	0	92
Mt Watatic MA	960	336	43	245	1060	71	180	42	66				
Mt Wachusett MA	360	78	5	131	256	11	301	67	85	116	63	670	51
Barre Falls MA	2335	28	14	378	75	11	222	46	912	207	22	1219	17
Mt Tom MA		326		1249	110			20					
Shatterack Mt MA	257	829	141	786	156	110	118	23	78	13	10	17	0
Blueberry Hill MA	298	24	147	437	65	33	304	102	3	43	6	31	8
SEP	10	11	12	16	17	18	20	21	22	25	26	27	30
Peak Mt CT	35	19	3							19	2	146	13
Botsford CT	54	70	3	97	701	53	776	48	234	22	8		
Torrington CT	30	27	12	205	623	65	138	65	7	97	1	16	
Flat Hill CT	281	38	4	36	82		266	57	89	8	6		
Johnnycake CT				125	277					55			
Chestnut Hill CT	85	37	1	158	198	3	525	3	119		3		
Flirt Hill							721			13			
Quaker Ridge CT	752	182	3	639	436	29	3947	2631	149	1130	175	55	25
Lighthouse CT	107	14	12	0	6	0	1	936	4	240	29		
Waveny Park					121		60	1728			16		
SEP	10	11	12	16	17	18	20	21	22	25	26	27	30
Bear Mt	85	132		799	124	462	17	1	713	2	0	216	14
Hook Mt. NY	232	135	15	104	1022	36	171	130	1002	215	36	121	3
Lenoir NY	17	3		27	256	6	227	410	249	507	96	15	9
Mohonk NY	14	387	158		26	30	222	5	28	3	0		
Summittville NY		530	9		60	9	47	37	17	12	0		
Mt Peter NY	443	234	70	457	217	511	619	82	858	83	19	86	6
Summittville NY		530	7	41	60	9	47	37	17	12	5	10	4
State Line				13	80	192	74	110	238	493	18		
Montclair NJ	509	375	27	170	359	43	739	1633	1955	945	276	151	106
Wildcat Ridge NJ	73	108		467	1013	397	510	44	927	102	5	60	122
Picatinny Peak NJ	640	942	11	177	781	1005	947	250	1474	150	33	15	8
Chimney Rock NJ	148	57	7	52	239	1	712	1463	120	1139	312	170	756
Duke Farms NJ			2	11	272	2	737	1148	214	1041	568	69	325

FALL 2006 TOTALS AND PER HOUR AVERAGES FOR SITES WITH FEWER THAN 100 HOURS

Site	Days	Hours	BV	TV	OS	BE	NH	SS	CH	NG	RS	BW	RT	RL	GE	AK	ML	PG	UR	Total	XBWV	PH	XPH
Botsford Hill CT	16	90.0	0	0	86	11	7	190	14	0	0	2132	0	0	1	45	2	1	17	2506	374	27.8	4.2
Washington NH	11	75.5	0	12	20	6	4	92	4	1	2	781	9	0	0	20	10	0	1	962	169	12.7	2.2
Waveny Park CT	13	68.5	0	0	107	9	7	212	7	1	4	2011	4	0	0	70	5	5	28	2470	459	36.1	6.7
Chestnut Hill CT	12	65.3	0	0	25	10	4	61	10	0	0	1147	0	0	0	17	2	0	23	1299	152	19.9	2.3
Alander Mt MA	6	51.2	1	5	34	6	13	156	11	1	2	151	45	0	1	24	9	1	12	472	315	9.2	6.2
Flat Hill CT	11	48.0	3	0	25	9	3	88	6	0	0	868	0	0	0	22	3	1	25	1053	182	21.9	3.8
East Shore CT	11	46.3	2	242	66	8	14	1018	118	1	3	153	107	0	2	40	6	13	77	1870	1473	40.4	31.8
Pinnacle Rock MA	9	26.8	0	0	9	0	1	5	4	0	0	5	16	0	0	4	1	2	8	55	50	2.1	1.9
Johnnycake CT	5	26.0	0	0	25	13	8	68	1	0	0	537	0	1	1	38	10	2	0	704	167	27.1	6.4
Litchfield CT	9	22.4	2	0	8	10	0	15	7	0	1	150	0	0	0	10	1	3	0	207	55	9.2	2.5
Mt Tom MA	4	16.5	0	5	13	13	7	56	8	0	0	1724	10	0	0	23	1	0	0	1852	123	112.2	7.5
Redding CT	3	16.0	2	0	2	0	1	7	5	0	0	26	0	0	0	2	2	0	0	47	19	2.9	1.2
Taine Mt CT	4	16.0	0	3	15	0	0	5	1	0	0	53	2	0	0	0	0	0	0	79	23	4.9	1.4
Booth Hill CTI	3	15.5	0	0	9	11	3	16	2	2	0	199	0	0	0	6	0	0	0	248	49	16.0	3.2
Meredith NH	2	11.5	0	14	1	2	0	16	2	0	0	42	2	0	0	1	0	0	10	90	34	7.8	3.0
Briggs Hill CT	3	6.5	2	0	0	1	2	3	0	0	0	21	0	0	0	1	1	0	0	31	8	4.8	1.2
Groton MA	8	6.5	0	1	18	3	2	20	7	0	0	137	0	0	0	14	1	1	0	204	66	31.4	10.2
Mt Holyoke MA	2	5.25	0	4	18	3	2	15	4	0	0	42	0	0	0	12	3	0	0	103	57	19.6	10.9
Quabbin Park MA	2	3.5	0	4	6	1	4	13	3	0	0	1283	4	0	1	9	0	0	0	1328	41	379.4	11.7

FLIGHT ACCOUNT

The flight story was a bit different in 2006. There were fewer strong storms, but plenty of unsettled weather with light and variable winds that kept the flight dispersed.

THE PRE-SEASON

August was typically warm, but ended with a cool week of rain and clouds that extended well into September. Skies cleared only on 8/31, and migrants were decidedly scarce except for Ospreys. On September 4 a weak front stalled and set up to our south and offshore, blocking any new fronts and pumping hot air off the gulf stream and throughout the east. Winds were light from the east, but the sky was clear, so some birds started moving, but not many. Quaker Ridge had decent counts 9/7-8 and a modest numbers of accipiters were seen at other sights, but there was clearly no rush of migrants. After being discouraged by the rain and clouds, observers were now wilted by the heat and empty skies. They still managed 216 watch days and counted 4435 migrants, but it was getting late.

Pre-Season Totals

8/16-9/9 (2006) - 8/14-9/8 (2005) - 8/22-9/9 (2004)

	Hrs	BW	OS	BE	NH	SS	CH	AK	ML	PH
2006	1117	928	886	145	197	1117	176	487	129	4.0
2005	1268	717	653	160	138	829	112	404	106	2.1
2004	814	981	644	133	95	512	91	269	44	3.7

EARLY PEAK SEASON

On 9/10 a cold front that had hovered to our north across Canada finally dropped down and pushed the heat away. Winds picked up in New England, but from the northeast as the high stayed up in Canada. Apparently Broadwings had been creeping down a narrow alley through northern New England for days, so the season started with a bang at one place, Barre Falls in central Massachusetts, where the third highest daily count of 2335 was made for the season in the region. Pack Monadnock and Mt Watatic almost reached 1000, with most other sights recording a few hundred. Sharpshins started at Lighthouse and Cadillac Mt, but all these migrants hit a wall after two days.

Farther south the winds stayed light as the first front stalled and another slow front took aim at us from the southwest with clouds and showers ahead of it, not arriving to displace the light east winds until 9/15. A large high pressure was behind this front but it was centered quite close over the eastern Great Lakes and dropped slowly south to the Carolina coast over three days. This kept winds light westerly, allowing the birds to stay spread out on an easy southwest course. On 9/16 Little Round Top and Mt Tom led the pack with just over 1000 Broadwings with others running counts in the few hundreds again. This pattern repeated on 9/17 with Mt Watatic, Hook Mt, and Wildcat Ridge inching over 1000. On 9/19 Picitinny Peak did it, but there were few other sites even with a few hundred that day. On 9/16 accipiters swelled at Quaker Ridge, but were paltry at Lighthouse Pt. That pattern continued the next day as winds were little more than light. On

9/18 the non-Broadwing flight was dispersed and modest everywhere. Over this span, watchers logged 273 watch days and counted 54,489 migrants, 79% of them Broadwings.

Totals for Early Peak Season

9/10-19 (2006) - 9/9-17 (2005) - 9/10-18 (2004)

	Hrs	BW	OS	BE	NH	SS	CH	AK	ML	PH
2006	1673	43001	1305	361	371	5610	571	2120	475	32.6
2005	1337	11705	1174	180	189	2085	196	912	212	12.8
2004	1447	39087	1917	338	246	4667	447	1466	353	34.0

LATE PEAK SEASON

On 9/19 a new front was poised to our west with an even more massive high pressure behind it that stretched clear to the west coast. It slipped past us and out to sea on 9/20 and started a new surge of migrants. The winds were moderate to strong on that day and Broadwing numbers were heavy nearer the coast, peaking for the region and season at Quaker Ridge with 3947 counted. Winds lessened the next day, but the birds were already east enough to keep them there at Quaker Ridge (2631), Waveny Park (1728), Montclair(1633), Chimney Rock (1463), and Duke Farms (1148). It was a taste of the old days, but only a taste. Winds died as the high center slid right over us on 9/22. The flight continued for a third day at southern watches, but already the alley was moving slightly west, hitting Montclair, Picitinny, and Wildcat, but mostly missing Chimney Rock. Then winds switched southwest as another slow-moving front approached, bringing two days of clouds and showers 9/23-24.

The front passed, but this time the high behind it was more south and west and the winds were strong from the west. Bigger counts were near the coast again, but numbers were down, as the available Broadwings were fewer so late in the season. Also, on 9/26 winds died more quickly as a reinforcing front followed on the heels of the first, bringing a new high center right over us from the north. The last of the main Broadwing flight came through 9/27 on an inland path before being directed even farther west by a southwest flow preceding another front from the west. The winds had no chance of concentrating other species. There were 244 watch days in this period and Broadwings made up 77% of the total migrants.

Totals for Late Peak Season

9/20-27 (2006) - 9/18-24 (2005) - 9/19-24 (2004)

	Hrs	BW	OS	BE	NH	SS	CH	AK	ML	PH
2006	1531	48714	3144	351	715	5992	640	1922	584	41.2
2005	1401	98188	2192	344	257	4168	324	1477	430	77.3
2004	1181	42062	1629	282	364	7818	731	3089	478	48.1

ACCIPITER, FALCON AND LATE OSPREY SEASON

Winds remained southerly on 9/28 as a major front approached from the west, passing through early on the next day and ushering in a northwest flow that flushed out most of the remaining Broadwings in the pipeline. Montclair counted 667 on

9/29 and Chimney Rock 756 on 9/30. However the low centers quickly pulled far out to sea, leaving us with light winds under a big high pressure area. October was ushered in by the same pattern of a fast moving front with rain followed by one decent flight day and then a big high pressure lingering to our south and pumping warm air up over us. Migrants took their brief opportunity on 10/2 and streamed past coastal sites, but the next two days saw them slowed and dispersed.

The next front came down from the north and then slowed, limiting concentrated flights again to one day on 10/5. Another followed on the same track, bringing us light east winds and two days of clouds and cold, then three days of hazy sun with light winds. Migrants were scarce. The next three days, 10/11-13, saw little improvement as a front dropped from the north, stalled, pushed back north as a warm front with rain, followed by another day of hazy sun and southwest wind. The last two days of the period the fronts and low pressure centers moved out, but the high pressure stayed put in the lower Mississippi Valley, keeping winds from the southwest. Some migrants resumed in the face of this, but not many. This period produced enough good days to swell the total numbers compared to 2004-2005, but so many days with clear skies and few birds made it feel like a famine for frustrated watchers. There were 379 watch days and 23,733 migrants. Accipiters were 47% of the flight and falcons 15%.

Accipiter, Falcon, and Late Osprey Season Totals

9/28-10/14 (2006) - 9/25-10/14 (2005) - 9/25-10/9 (2004)

	Hrs	BW	OS	BE	NH	SS	CH	AK	ML	PH
2006	2158	4011	1897	268	577	9567	1496	2635	780	11.0
2005	1554	7234	1503	209	263	5433	741	1894	543	12.2
2004	1533	842	955	180	242	5899	899	1612	560	8.3

LATE ACCIPITER AND FALCON SEASON

The high pressure finally took over on 10/15-16, bringing west winds, clear skies and a modest push of migrants. The next day they hit a wall of clouds and rain as a new front approached from the west. It cleared out skies late on 10/18, bringing more modest numbers on that day and the next, when the west winds veered to southwest ahead of the next front. This was a rain producer, shutting migration down on 10/20. The high pressure center was close behind and that set up strong winds from the northwest the following day. It triggered a coastal flight that was huge for so late a date (10/21). Winds died the next day, but birds still flew through New Jersey. On 10/23-24 clouds hung on in the north and inland, but the wind was so strong that birds still sped by eastern and coastal points. There were 14,640 total migrants, 62% of them accipiters, only 10% of them falcons, and 7% buteos.

Late Accipiter and Falcon Season Totals

10/15-24 (2006) - 10/15-21 (2005) - 10/14-19 (2004)

	Hrs	OS	NH	SS	CH	AK	ML	RS	RT	TV	PH
2006	1056	400	374	8095	1100	625	676	209	862	1872	14.0
2005	909	405	371	12720	1866	2358	1269	352	1060	1546	25.2
2004	933	404	231	6071	738	1361	669	161	686	1148	10.1

RED-TAILED AND RED-SHOULDERED HAWK SEASON

The brisk northwest winds of 10/25-26 added a lot of accipiters to the counts, but Redtails were not impressive. Numbers became modest as the high drifted over us, then died in the rain on 10/28. West winds took over in the wake of the storm, but migrants still did not respond with a big push. A day of southwest winds ended the month followed by a fast moving front with clouds that cleared in time for a sunny start to November. Yet again the west and northwest blow brought only modest counts to our watches. What were the Redtails waiting for? They had to move soon. At least it was better than 2004, but a far cry from 2005. The late accipiter push in the early part of this period gave them a 52% share of the total 10,993 migrants. The late buteos had to settle for 20%.

Redtailedand Red-shouldered Hawk Season Totals

10/25-11/2 (2006) - 10/22-30 (2005) - 10/20-30 (2004)

	Hrs	NH	SS	CH	AK	ML	RS	RT	TV	PH
2006	913	406	5046	599	192	407	574	1660	1626	12.0
2005	842	271	4035	814	304	247	512	2724	2024	13.1
2004	796	187	2973	479	119	193	513	1167	2038	10.1

LATE SEASON

Winds were still moderate northwest on 11/3 and Putney Mt., Vermont breached the 100 Redtail mark, the only time it would happen in the region for the season. Winds were lighter the next day, but surely the flight would not die. It just about did, that day and the next as the high center lingered right over us. Southwest winds prevailed the next three days, culminating in rain on 11/8. Redtails resumed modestly the next two days under a northwest flow and died again with three days of southwest wind. On 10/13 skies cleared in the south and migrants were counted departing from central New Jersey, but elsewhere that day and the next four days southwest winds took over again. Then four straight days of northerly wind 11/18-21 brought some modest late Redtail flights. The season virtually concluded with the last two such days 11/24-25. The post-season started 11/26, after which 110 migrants were counted in 147 hours, half of them Redtails. Of the 7331 migrants counted in the entire last period, 35% were Redtails and 23% were Turkey Vultures.

Late Season Totals

11/3-12/16 (2006) - 10/31-12/20 (2005) - 10/31-12/24 (2004)

	Hrs	BE	NH	SS	CH	ML	RS	RT	TV	PH
2006	1339	132	263	1109	223	104	838	2585	1659	5.5
2005	1536	103	299	1596	367	134	425	3626	1601	5.6
2004	1363	133	199	1252	262	109	489	2810	832	4.8

Barre Falls, Barre, Massachusetts 2001-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	49	270	0	235	92	24	35	743	68	26	85	852	351	2	5	159	28	8	26	2739	1652	10.1	6.1
2003	62	368	0	348	284	41	70	1600	150	13	124	1776	608	5	3	229	48	16	57	5372	3248	14.6	8.8
2004	66	343	0	277	206	41	52	980	103	4	60	3611	342	1	3	172	37	9	38	5936	2048	17.3	6.0
2005	66	339	1	249	150	70	40	1098	87	6	65	16896	798	4	4	132	47	9	52	19708	2562	58.2	7.6
2006	59	317	1	327	285	56	42	1090	126	7	47	5563	280	0	4	164	45	11	58	8106	2215	25.6	7.0
Avg	58	308	1	251	184	40	47	1025	94	11	68	4901	440	2	3	174	35	10	40	7325	2173	23.8	7.1

Blueberry Hill, Granville, Massachusetts 1999-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	82	547	7	219	256	115	112	1068	109	2	45	6785	656	1	7	566	32	19	68	10067	3056	18.4	5.6
2003	88	511	10	274	230	106	93	1138	96	14	74	2260	771	6	8	407	17	6	56	5558	3014	10.9	5.9
2004	102	567	10	179	163	138	75	863	104	8	31	2866	550	4	4	393	21	5	72	5485	2430	9.7	4.3
2005	94	547	6	173	203	78	83	1013	77	5	75	4242	785	1	4	363	22	15	62	7207	2786	13.2	5.1
2006	85	423	0	117	172	60	78	750	107	2	95	1536	507	1	9	357	33	9	39	3872	2219	9.2	5.3
Avg	83	473	5	173	201	78	79	948	93	6	54	3834	563	2	5	440	20	9	60	6571	2559	13.9	5.4

Peak Mt, East Granby, Connecticut 2003-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2003	48	208	2	56	54	11	24	153	21	2	11	146	198	1	0	36	10	10	32	767	563	3.7	2.7
2004	8	32	0	0	5	7	1	24	3	0	0	98	3	0	0	2	1	0	6	150	52	4.7	1.6
2005	73	300	2	112	89	12	29	258	38	5	24	4538	187	2	1	63	23	16	22	5419	767	18.0	2.6
2006	78	327	2	145	105	11	52	268	43	5	31	281	225	1	6	73	17	16	34	1315	887	4.0	2.7

Torrington, Connecticut 2002-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	24	121	0	36	83	8	3	84	25	1	6	10715	23	0	0	39	3	2	44	11072	321	91.3	2.6
2003	23	113	0	0	43	7	6	91	46	2	5	1478	32	0	0	33	3	0	25	1771	293	15.7	2.6
2004	16	62	0	0	34	7	8	80	63	5	12	1746	16	0	0	36	9	3	40	2059	313	33.1	5.0
2005	19	80	0	6	27	8	4	99	14	0	4	3940	3	0	0	32	7	0	24	4157	211	52.0	2.6
2006	23	104	6	0	56	5	2	84	17	1	6	1308	4	0	0	39	7	2	32	1569	255	15.2	2.5
Avg	21	96	1	8	49	7	5	88	33	2	7	3837	16	0	0	36	6	1	33	3725	279	41.4	3.1

Flirt Hill, 2002-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	15	102	0	0	12	4	62	115	23	1	1	23	39	0	0	377	10	1	0	668	645	6.6	6.4
2003	14	78	0	0	10	7	33	73	25	1	5	58	144	1	1	210	4	0	1	573	515	7.3	6.6
2004	7	43	0	0	15	4	22	59	20	0	6	302	13	0	2	198	2	1	0	644	342	15.2	8.0
2005	18	96	0	144	16	6	35	94	30	1	9	45	81	0	4	160	9	5	0	639	450	6.7	4.7
2006	18	128	0	28	27	18	44	130	43	0	15	750	76	0	2	320	16	4	0	1473	695	11.6	5.5
Avg	14	86	0	43	17	9	34	89	30	1	9	289	79	0	2	222	8	3	0	832	501	9.7	5.8

Lighthouse Point, New Haven, Connecticut 1980-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	91	566	0	471	1418	76	413	8096	796	10	90	737	550	1	10	1808	331	50	202	15062	13854	26.6	24.5
2003	96	623	1	462	1268	47	724	7715	1170	30	153	427	928	4	2	1724	355	94	351	15461	14571	24.8	23.4
2004	91	582	0	598	1054	86	329	6662	823	9	162	3693	890	5	2	1445	344	75	323	16500	12209	28.4	21.0
2005	98	668	0	388	1130	137	414	6208	1292	11	136	735	298	0	10	2010	595	140	176	13850	12727	20.7	19.0
2006	100	638	0	486	1509	125	617	6801	1103	12	120	1564	484	1	10	1128	310	95	254	14619	12569	22.9	19.7
Avg	95	545	0	215	1647	34	603	8340	839	14	90	2306	394	3	3	2886	387	51	426	18243	15723	33.5	28.9

Quaker Ridge, Greenwich, Connecticut 1985-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	66	464	4	520	585	53	159	1748	292	8	69	5222	206	0	5	454	46	23	233	9627	3881	20.8	8.4
2003	75	495	7	480	311	30	151	1433	204	2	58	1044	255	1	4	342	41	17	158	4538	3007	9.2	6.1
2004	84	655	27	591	619	82	153	3274	342	11	251	6654	384	0	4	570	89	24	111	9745	2473	14.9	3.8
2005	74	541	45	511	691	106	114	3072	398	6	217	8378	371	0	5	405	76	32	125	14591	5657	27.0	10.5
2006	87	572	48	804	817	100	266	3432	491	6	239	10464	407	1	24	719	89	30	180	18117	6801	31.7	11.9
Avg	76	556	6	425	598	49	183	2753	242	11	137	14444	347	1	7	669	52	18	164	20106	5231	36.2	9.4

Helderberg Escarpment, Voorhe

Bear Mt, New York 1997-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	58	345	0	13	159	57	29	610	42	1	28	4480	117	0	1	132	8	1	32	5710	1217	16.5	3.5
2003	66	401	15	81	134	67	28	731	37	2	41	946	319	0	3	68	11	9	63	2555	1513	6.4	3.8
2004	46	247	0	55	55	38	15	304	40		20	1375	219		2	31	7	1	22	2184	754	8.9	3.1
2005	66	388	22	0	61	38	20	526	43	2	11	2461	250	0	4	63	6	7	37	3551	1068	9.2	2.8
2006	68	392	1	18	84	31	24	458	31	0	6	2809	130	0	6	60	8	4	25	3695	867	9.4	2.2
Avg	63	378	4	28	128	37	29	683	53	3	21	2943	254	0	3	111	11	6	38	4351	1376	11.5	3.6

Lenoir Preserve, Westchester, New York 1998-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	38	147	0	613	195	18	15	289	43	6	10	1566	192	0	3	62	15	21	1	3049	870	20.8	5.9
2003	49	217	17	868	131	48	16	383	82	3	101	165	633	1	5	96	15	18	1	2583	1533	11.9	7.1
2004	52	194	10	539	95	35	19	299	58	2	24	1628	169	0	0	89	21	13	12	3013	836	15.6	4.3
2005	26	110	5	408	105	27	8	492	90	0	14	402	47	0	4	97	43	10	0	1752	937	16.0	8.5
2006	71	261	6	1251	173	51	17	679	112	2	120	1861	139	0	2	113	32	16	16	4590	1472	17.6	5.7
Avg	50	178	4	753	177	28	16	435	72	4	56	1267	317	0	2	119	20	20	9	3302	1277	18.6	7.2

Mohonk Preserve 1993-1998, 2002-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	32	113	7	0	47	5	15	232	38	0	5	1730	122	0	6	81	6	15	46	2355	618	20.9	5.5
2003	16	68	0	0	13	1	12	125	8	0	0	553	24	0	0	8	0	4	16	764	211	11.2	3.1
2004	10	40	27	0	32	4	7	88	7	1	2	1436	12	0	0	24	4	5	0	1649	186	41.7	4.7
2005	19	72	0	0	17	1	7	151	8	0	0	53	56	0	0	13	2	5	17	330	277	4.6	3.8
2006	45	196	15		59	19	37	506	78	3	8	984	176	0	3	34	7	13	49	1991	992	10.2	5.1
Avg	34	122	7	0	43	7	16	315	28	1	14	991	124	0	2	36	4	8	46	2314	645	16.1	4.9

Summittville, New York 2004-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2004	32	83	0	112	9	20	2	131	50	3	5	788	62	0	1	12	11	2	14	1222	322	14.8	3.9
2005	20	79	5	140	54	16	11	211	58	8	13	660	307	1	4	26	4	8	21	1547	742	19.5	9.4
2006	29	108	4	49	12	78	14	310	52	4	13	839	84	0	7	26	3	8	21	1524	632	14.1	5.9

Hook Mt, Nyack, New York 1980-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	49	259	0	205	335	55	98	2033	102	1	58	6665	92	0	2	353	43	23	12	10077	3207	38.9	12.4
2003	50	244	0	9	222	67	151	1592	132	3	29	592	43	0	3	220	54	29	4	3150	2549	12.9	10.5
2004	71	403	7	278	166	72	76	1940	185	3	89	3431	240	0	4	218	35	14	41	6799	3083	16.9	7.6
2005	74	385	12	482	258	58	100	2142	284	9	107	3851	327	0	2	271	66	31	76	8086	3741	21.0	9.7
2006	71	409	33	557	292	67	179	2368	174	5	145	3405	292	0	20	255	55	17	37	7901	3906	19.3	9.6
Avg	60	363	3	149	280	31	157	2892	125	11	84	7186	154	0	4	467	43	20	62	11668	4331	32.2	11.9

Mt Peter, Rockland Park, New York 1980-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	58	383	6	53	187	24	45	682	63	2	37	3946	249	0	2	201	10	7	58	5572	1567	14.5	4.1
2003	62	416	58	138	181	19	66	1181	90	4	43	2110	905	1	5	167	22	9	65	5064	2758	12.2	6.6
2004	60	375	44	199	121	24	23	754	86	1	24	1913	339	1	1	78	4	8	45	3665	1509	9.8	4.0
2005	63	393	83	156	130	32	64	1222	153	4	30	3826	716	0	6	152	39	18	53	6696	2631	17.1	6.7
2006	66	365	20	123	164	25	53	1205	67	1	65	3784	249	0	7	184	12	7	44	6010	2083	16.5	5.7
Avg	64	410	35	92	160	15	64	1372	82	5	51	4771	462	1	4	251	13	8	93	7456	2577	18.2	6.3

Fire Island, New York 1984-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH
2002	211	0	0	52	0	78	312	8	0	0	1	0	0	0	989	497	39	43	2019	2018	9.6	9.6	
2003	59	397	0	0	345	2	328	314	23	1	0	0	1	0	0	6271228	146	6	3021	3021	7.6	7.6	
2004	51	377	0	0	219	6	181	277	20	4	0	1	1	0	0	9281190	112	13	2952	2951	7.8	7.8	
2005	52	373	0	0	246	2	138	342	39	2	0	1	1	0	0	6261349	136	10	2893	2892	7.8	7.8	
2006	57	444	0	1	152	5	298	427	48	1	0	0	2	0	0	7441684	179	12	3553	3552	8.0	8.0	
Avg	58	397	0	0	274	2	218	580	20	1	0	0	1	0	0	16441263	152	24	4182	4182	10.5	10.5	

Montclair, New Jersey 1980-2006

	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH

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State Line, New Jersey 2004-2006																								
	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH	
2004	21	142	0	49	0	31	15	687	66	1	6	1362	6	0	0	200	8	3	10	2444	1033	17.2	7.3	
2005	10	73	0	0	0	12	4	231	12	0	1	1669	0	0	0	127	0	0	6	2062	393	28.2	5.4	
2006	15	98	0	123	216	17	16	521	41	0	3	1422	0	0	0	106	6	4	9	2484	939	25.3	9.6	
Wildcat Ridge, New Jersey 1998-2006																								
	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH	
2002	92	518	66	266	272	54	37	785	74	0	48	4174	215	0	2	184	17	0	3	6197	1691	12.0	3.3	
2003	92	536	35	170	161	39	68	976	132	1	47	960	309	0	4	114	10	3	20	3049	1884	5.7	3.5	
2004	54	339	51	474	187	49	33	873	123	0	59	1960	161	0	3	82	16	2	41	4114	1629	12.1	4.8	
2005	65	376	177	187	129	27	30	649	155	0	14	1863	321	0	6	111	8	4	55	3736	1509	9.9	4.0	
2006	52	297	41	100	148	27	38	885	172	0	17	3825	147		5	140	9	8	35	5597	1631	18.8	5.5	
Avg	77	523	60	290	230	48	54	1039	134	2	53	5097	289	0	4	189	15	4	23	7531	2084	14.4	4.0	
Picatinny Peak, New Jersey 1997-2006																								
	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH	
2001	66	309	4	30	190	41	55	1499	95	3	152	6477	439	0	14	291	6	8	101	9405	2894	30.4	9.4	
2002	68	281	5	0	267	53	49	1119	73	1	49	4532	249	1	12	281	7	9	76	6783	2246	24.2	8.0	
2003	67	359	4	21	280	44	88	1550	70	0	113	1504	328	1	17	276	12	11	96	4415	2886	12.3	8.0	
2004	67	302	1	41	181	77	50	1029	53	1	68	2908	229	0	12	154	6	9	77	4891	1941	16.2	6.4	
2005	67	339	0	95	285	73	54	1699	109	1	80	5530	610	0	10	293	16	13	89	8978	3353	26.5	9.9	
2006	76	357	16	59	304	102	98	1618	102	0	78	6524	163	0	13	262	7	9	87	9442	2843	26.4	8.0	
Avg	72	345	8	85	259	60	80	1606	94	3	100	6269	383	1	15	267	10	11	97	9350	2988	27.1	8.7	
Chimney Rock, Brunswick, New Jersey 1993-2006																								
	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH	
2002	66	500			561	80	187	2451	295	2	231	7787	120	0	5	1160	204	71	87	13241	5454	26.5	10.9	
2003	62	500			617	87	230	2052	362	1	84	1938	74	1	8	783	228	71	49	6585	4647	13.2	9.3	
2004	71	550			431	124	124	2057	399	2	202	6093	190	1	15	775	132	57	33	10635	4542	19.3	8.3	
2005	69	514	56	357	378	86	128	1990	422	0	165	4249	117	0	13	505	142	63	22	8693	4031	16.9	7.8	
2006	70	517	38	207	450	101	189	2009	469	2	181	5359	154	0	13	612	150	81	45	10060	4456	19.5	8.6	
Avg	79	615	47	282	615	85	229	3191	389	5	219	10008	318	1	11	1335	221	66	116	16853	6798	27.4	11.0	
Duke Farms - Hillsborough, New Jersey 2005-2006																								
	DYS	HRS	BV	TV	OS	BE	NH	SS	C	G	RS	BW	RT	RL	GE	AK	M	PF	UR	TOT	XBWV	PH	XPH	
2005	69	476	40	242	214	68	48	711	168	2	93	3254	101	1	11	181	42	24	26	5226	1690	11.0	3.6	
2006	65	424	4	263	228	59	87	855	184	1	91	4543	102	0	13	183	45	32	15	6705	1895	15.8	4.5	

DAILY PEAK SITE TOTALS - FALL 2006

BALD EAGLE		PEREGRINE FALCON		RED-SHOULDERED HAWK		MERLIN		
Montclair	16	9/11	S Harpswell	28	9/26	Montclair	70	11/19
P Monadnock	15	9/11	Fire Island	20	9/25	Lenoir	62	11/19
Summitville	15	9/22	Morris Island	19	10/2	Montclair	46	11/18
Summitville	14	9/24	Fire Island	17	10/2	Montclair	45	10/27
Lighthouse	13	9/10	Fire Island	16	9/29	Quaker Ridge	43	10/26
Summitville	12	9/25	Fire Island	16	9/28	Chimney Rock	38	10/26
Montclair	12	9/10	Lighthouse	11	9/25	Lighthouse	34	11/19
Barre Falls	10	9/11	Fire Island	11	10/4	Hook Mt	31	10/27
P Monadnock	9	9/10	Chimney Rock	11	10/12	Montclair	30	10/26
Lighthouse	9	10/5	Morris Island	10	9/30	Quaker Ridge	29	11/19
Mt Watatic	8	9/11	Chimney Rock	9	9/24	Montclair	29	11/20
Barre Falls	8	9/27	Morris Island	9	9/26	Montclair	27	11/3
Booth Hill	8	9/20	Fire Island	8	10/21	Quaker Ridge	24	10/27
Johnnycake	8	9/16	Cadillac Mt	7	9/16	Chimney Rock	23	11/13
Lighthouse	8	9/16	Putney Mt	7	9/25	Lenoir	21	11/18
Quaker Ridge	8	8/31				Montclair	20	11/4
Quaker Ridge	8	9/21				Montclair	20	11/1
Montclair	8	9/7	Quaker Ridge	6	11/4	Montclair	19	11/2
Picatinny	8	9/22	Summitville	5	10/18	Duke Farms	18	10/26
TURKEY VULTURE		GOLDEN EAGLE		Quaker Ridge		Black Vulture		
Quaker Ridge	153	11/19	P Monadnock	3	11/3	Quaker Ridge	15	11/3
Lenoir	150	10/23	Barre Falls	3	10/31	Hook Mt	15	11/4
Montclair	132	11/21	Picatinny	3	10/24	Montclair	15	10/30
Lenoir	131	10/21	Hook Mt	3	10/31	Montclair	15	11/21
Montclair	106	10/27	P Monadnock	3	10/30	Montclair	14	10/23
Lenoir	104	10/26	Picatinny	3	11/3	Montclair	14	11/10
Montclair	97	10/21	Chimney Rock	3	10/15	Blueberry Hill	14	11/18

BROAD-WINGED HAWK			SHARP-SHINNED HAWK - COAST			AMERICAN KESTREL - COAST			COOPER'S HAWK - NORTH		
Quaker Ridge	3947	9/20	Lighthouse	764	10/5	Fire Island	285	10/5	P Monadnock	16	10/19
P Monadnock	3044	9/11	Lighthouse	654	10/25	Lighthouse	177	10/2	Mt Wachusett	11	9/17
Quaker Ridge	2631	9/21	Lighthouse	540	10/21	Lighthouse	109	9/25	P Monadnock	10	10/4
Barre Falls	2335	9/10	East Shore	477	10/25	Cadillac Mt	100	9/11	P Monadnock	10	9/16
Montclair	1955	9/22	Lighthouse	444	9/21	Fire Island	93	9/21	Barre Falls	10	10/21
Waveny Park	1728	9/21	Lighthouse	411	10/23	Cadillac Mt	89	9/10	Putney Mt	10	10/2
Montclair	1633	9/21	Lighthouse	357	10/7	Lighthouse	83	9/10	Putney Mt	10	9/16
Picatinny	1474	9/22	Lighthouse	354	10/6	S Harpswell	78	9/26	P Monadnock	10	10/10
Chimney Rock	1463	9/21	Lighthouse	332	10/26	Lighthouse	69	9/26	Barre Falls	10	10/7
Mt Tom	1268	9/16	Lighthouse	321	10/2	S Harpswell	69	10/2	P Monadnock	10	10/14
Barre Falls	1219	9/27	Lighthouse	265	9/25	Lighthouse	64	10/5	Blueberry Hill	10	10/7
Quabbin Park	1187	9/27	Lighthouse	202	9/11	Cadillac Mt	62	9/12	HARRIER - COAST		
L Round Top	1176	9/16	S Harpswell	189	10/5	Cadillac Mt	58	9/25	Lighthouse	99	9/26
Duke Farms	1148	9/21	S Harpswell	183	10/2	Lighthouse	56	10/21	Lighthouse	34	9/25
Chimney Rock	1139	9/25	Morris Island	182	9/20	Fire Island	54	9/25	Fire Island	34	10/5
Quaker Ridge	1130	9/25	Morris Island	181	10/10	Cadillac Mt	53	9/16	Fire Island	30	9/25
Mt Watatic	1060	9/17	SHARP-SHINNED HAWK - INLAND SOUTH			S Harpswell	52	10/5	Lighthouse	27	10/25
Duke Farms	1041	9/25	Quaker Ridge	282	9/17	Fire Island	50	10/21	Lighthouse	26	9/10
Hook Mt	1022	9/17	Quaker Ridge	249	9/16	Lighthouse	47	10/6	Lighthouse	25	10/21
Wildcat Ridge	1013	9/17	Quaker Ridge	208	10/21	Cadillac Mt	45	10/5	Lighthouse	25	10/30
Picatinny	1005	9/18	Montclair	201	9/21	AMERICAN KESTREL - INLAND			Lighthouse	23	10/26
Hook Mt	1002	9/22	Quaker Ridge	184	10/5	Quaker Ridge	103	9/16	Fire Island	21	9/21
P Monadnock	981	9/27	Quaker Ridge	174	10/6	Montclair	63	9/11	S Harpswell	21	9/26
P Monadnock	962	9/10	Montclair	162	10/5	Quaker Ridge	63	10/3	Lighthouse	20	10/2
Mt Watatic	960	9/10	Chimney Rock	150	10/15	Montclair	59	9/17	Fire Island	20	10/26
Picatinny	947	9/20	Chimney Rock	150	10/21	Quaker Ridge	57	9/20	Lighthouse	19	11/10
Montclair	945	9/25	Chimney Rock	147	10/26	Montclair	52	10/4	S Harpswell	18	10/25
Picatinny	942	9/11	Chimney Rock	137	9/17	Flirt Hill	48	10/2	Lighthouse	17	9/21
Lighthouse	936	9/21	Chimney Rock	136	10/21	Chimney Rock	46	9/10	HARRIER - INLAND SOUTH		
Wildcat Ridge	927	9/22	Chimney Rock	135	10/21	Quaker Ridge	45	9/17	Quaker Ridge	20	9/16
Barre Falls	912	9/22	Quaker Ridge	134	10/25	Flirt Hill	44	10/4	Montclair	18	9/26
Mt Peter	858	9/22	Wildcat Ridge	130	10/22	Montclair	42	9/21	Montclair	15	9/22
Shatterack Mt	829	9/11	Quaker Ridge	123	9/20	Flirt Hill	42	9/17	Hook Mt	15	10/22
Bear Mt	799	9/16	State Line	116	9/25	Chimney Rock	41	9/21	Hook Mt	15	9/22
Shatterack Mt	786	9/16	Quaker Ridge	112	9/21	Blueberry Hill	41	9/12	Quaker Ridge	14	9/25
Picatinny	781	9/17	Quaker Ridge	109	9/10	Quaker Ridge	40	9/7	Chimney Rock	14	9/26
RED-TAILED HAWK			Chimney Rock	105	10/23	Flirt Hill	39	9/25	Quaker Ridge	14	9/10
Putney Mt	101	11/3	Montclair	105	10/7	Chimney Rock	38	9/20	Quaker Ridge	13	10/4
Putney Mt	91	10/24	Hook Mt	104	9/22	Chimney Rock	34	9/16	Quaker Ridge	13	9/26
Quaker Ridge	76	11/19	Quaker Ridge	103	10/16	Quaker Ridge	32	10/5	Picatinny	13	9/22
Chimney Rock	65	11/13	Quaker Ridge	103	10/21	Quaker Ridge	32	9/10	HARRIER - INLAND NORTH		
Blueberry Hill	60	11/18	Quaker Ridge	101	10/26	Flirt Hill	32	9/25	Shatterack Mt	10	10/3
Mt Watatic	57	11/18	Quaker Ridge	101	10/2	Montclair	31	10/6	Putney Mt	6	10/26
Putney Mt	56	10/30	Wildcat Ridge	101	10/22	Quaker Ridge	31	9/25	Putney Mt	6	10/21
P Monadnock	53	10/27	Quaker Ridge	97	10/24	Quaker Ridge	31	9/25	Putney Mt	6	9/26
Montclair	51	11/21	Putney Mt	97	10/25	COOPER'S HAWK - SOUTH			P Monadnock	5	9/22
Hook Mt	51	11/10	Putney Mt	83	10/15	Lighthouse	121	10/5	Putney Mt	5	10/2
Montclair	50	11/18	Putney Mt	78	10/18	Lighthouse	103	10/21	Mt Watatic	5	9/22
Montclair	49	11/19	Putney Mt	70	10/5	Lighthouse	98	10/7	Barre Falls	5	9/16
Lighthouse	49	11/19	P Monadnock	66	10/21	Lighthouse	85	10/2	Blueberry Hill	5	10/4
East Shore	47	10/26	Barre Falls	66	10/2	Lighthouse	64	10/6	MERLIN - OMITTED IN 2005		
Montclair	44	11/3	Barre Falls	65	10/2	Lighthouse	61	9/25	Lighthouse	221	10/16
Lighthouse	44	11/24	Shatterack Mt	67	10/18	Lighthouse	46	10/23	Fire Island	215	10/17
Quaker Ridge	43	10/26	Putney Mt	68	10/21	Chimney Rock	45	10/21	Fire Island	189	9/27
Hook Mt	43	11/19	Putney Mt	66	10/21	Lighthouse	44	9/21	Fire Island	144	10/15
Blueberry Hill	43	11/10	P Monadnock	66	10/21	Montclair	43	10/21	Fire Island	112	10/16
Blueberry Hill	42	11/24	P Monadnock	66	9/16	Lighthouse	40	10/26	Fire Island	74	10/23
Mt Peter	42	11/9	Putney Mt	68	10/21	Chimney Rock	38	10/26	Fire Island	67	10/20
P Monadnock	42	11/5	Shatterack Mt	67	10/18	Lighthouse	36	9/26	Fire Island	44	9/9
Putney Mt	40	10/25	Barre Falls	66	10/21	Quaker Ridge	34	9/16	Chimney Rock	43	10/16
Barre Falls	39	10/25	Shatterack Mt	66	10/2	Chimney Rock	32	10/5	S Harpswell	42	9/23
Blueberry Hill	38	11/9	Barre Falls	65	10/2	Quaker Ridge	29	10/25	Fire Island	37	9/19
P Monadnock	38	11/1	Putney Mt	64	10/2	Alander Mt	29	10/21	Lenoir	37	10/16
P Monadnock	37	10/26	Putney Mt	64	10/6	Chimney Rock	27	10/22	S Harpswell	36	9/27
Putney Mt	37	11/4	Barre Falls	60	10/26	East Shore	29	10/25			
Summitville	36	10/18	L Round Top	55	9/16	Quaker Ridge	29	10/21			
Montclair	35	10/26	P Monadnock	55	10/6	Wildcat Ridge	27	10/22			

10/21	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Picatinny	7	0	2	3	4	69	7	8	0	0	3	2	0	108
State Line	5	0	0	1	3	47	5	1	2	0	0	0	64	123
Wildcat Ridge	7	0	0	1	0	39	1	0	0	0	0	4	0	46
Chimney Rock	9	0	4	4	4	150	45	24	9	1	4	3	0	250
Duke Farms	9	0	3	1	0	47	15	2	0	0	1	5	24	104
10/22	LT-MOD	VAR-S	MOSTLY CLOUDY											
	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Cadillac Mt	6	0	2	1	5	27	0	2	3	0	0	4	0	46
S Harpswell	5	0	1	6	2	14	0	2	2	0	1	0	0	30
Morris Island	6	0	2	0	0	42	5	0	1	0	0	2	0	52
P Monadnock	8	0	0	0	3	25	2	0	0	0	0	6	0	36
Mt Watatic	8	0	0	0	0	44	3	0	0	0	2	14	7	70
Barre Falls	6	0	0	0	1	54	7	1	1	0	2	13	0	79
Blueberry Hill	5	0	0	0	2	27	4	1	0	0	6	5	7	52
Lighthouse	7	4	2	0	8	94	11	4	3	0	2	7	0	143
Fire Island	7	0	1	0	2	9	0	0	15	2	0	0	0	29
Quaker Ridge	7	0	0	0	0	71	15	1	0	0	1	5	4	101
Hook Mt	6	0	2	3	15	151	7	4	2	1	6	0	61	252
Lenoir	5	0	0	1	1	38	0	4	0	0	0	3	13	60
Montclair	7	0	1	0	3	83	7	1	0	1	0	1	47	147
Picatinny	7	0	1	1	4	101	2	6	0	0	0	2	0	119
Wildcat Ridge	7	0	0	1	6	130	27	4	0	2	1	8	0	185
Chimney Rock	7	0	4	2	5	60	18	2	2	0	4	0	20	118
Duke Farms	5	0	3	1	1	7	6	0	0	1	9	2	11	41
10/23	STRONG	W-NW	MOSTLY CLOUDY											
	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Putney Mt	7	0	1	0	0	23	2	0	0	0	1	1	1	36
Shatterack Mt	5	0	0	0	0	18	1	0	0	1	0	15	4	42
Blueberry Hill	5	0	0	0	2	4	4	1	2	0	1	13	9	37
Peak Mt	6	0	0	0	0	9	0	1	1	0	0	7	2	20
East Shore	4	0	0	0	0	53	13	0	0	3	0	11	29	114
Lighthouse	9	1	11	1	25	411	46	21	20	0	2	33	25	604
Fire Island	8	0	1	0	4	6	3	2	58	4	0	0	0	78
Quaker Ridge	8	0	2	1	3	78	16	5	1	0	2	6	40	161
Hook Mt	5	0	3	0	2	32	4	3	1	0	9	6	0	61
Lenoir	5	0	1	1	1	63	4	1	0	0	0	12	150	233
Mohonk	4	0	0	1	0	19	3	1	0	1	0	12	0	37
Mt Peter	7	0	0	0	1	54	3	3	1	0	2	20	0	85
Montclair	7	2	2	0	2	79	19	6	6	2	14	22	31	185
Picatinny	4	0	0	1	5	97	7	3	0	0	1	1	0	116
Chimney Rock	8	0	1	2	8	105	21	8	3	0	7	4	25	186
Duke Farms	9	0	3	3	2	60	11	0	1	2	6	7	60	157
10/24	STRONG	NW	MOSTLY CLOUDY											
	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Cadillac Mt	4	0	1	0	3	22	0	0	0	0	0	0	0	26
S Harpswell	3	0	0	0	2	44	1	7	0	0	1	2	3	62
Morris Island	6	0	1	0	0	21	1	0	1	1	0	6	2	33
P Monadnock	8	1	1	1	1	18	5	0	1	0	2	21	12	66
Putney Mt	6	0	0	0	4	50	3	2	1	0	4	91	3	160
Barre Falls	5	0	0	0	0	105	6	0	1	0	1	10	7	131
Shatterack Mt	5	0	0	0	1	26	1	0	1	0	4	9	3	45
Blueberry Hill	5	0	0	0	1	8	5	0	0	0	6	11	0	31
Peak Mt	6	0	1	0	1	4	4	1	0	0	0	5	6	24
East Shore	4	0	2	0	2	96	2	4	0	0	0	3	20	135
Lighthouse	9	0	8	0	6	159	15	8	0	0	5	12	1	217
Fire Island	8	0	4	0	5	15	2	19	102	2	0	0	0	149
Quaker Ridge	7	0	0	0	4	49	2	4	1	0	3	5	4	75
Hook Mt	6	0	3	0	0	49	0	0	0	0	1	3	10	71
Lenoir	4	0	0	1	0	23	1	0	0	0	0	3	37	65
Montclair	6	0	3	2	0	41	4	0	1	1	4	6	0	62
Picatinny	5	0	2	2	0	37	1	1	1	0	5	6	0	59
Chimney Rock	6	0	0	0	3	85	18	3	5	1	5	6	2	128
Duke Farms	7	0	3	1	6	36	11	4	1	1	1	1	23	89
10/25	STRONG	NW	MOSTLY CLOUDY											
	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Cadillac Mt	5	0	0	0	5	27	1	0	0	0	0	0	0	34
S Harpswell	8	2	0	0	18	129	1	10	39	3	0	4	15	228
P Monadnock	7	0	0	0	0	12	1	0	0	1	20	0	0	35
Putney Mt	7	1	1	0	4	14	0	1	1	0	1	40	5	69
Barre Falls	7	0	0	0	0	97	5	0	0	0	5	39	1	152
Shatterack Mt	5	0	0	0	2	30	0	0	0	1	17	3	0	54
Peak Mt	6	0	0	0	2	14	1	1	0	0	0	9	0	28
East Shore	6	0	0	1	2	477	29	11	2	0	1	30	52	611
Lighthouse	10	1	8	0	27	654	44	23	13	2	3	19	20	825
Fire Island	8	0	1	0	15	47	3	24	136	1	0	0	0	228
Quaker Ridge	8	0	1	1	7	134	10	5	4	0	15	10	9	198
Hook Mt	5	0	0	1	3	26	0	0	0	0	0	2	0	32
Lenoir	4	0	0	1	0	57	2	0	1	0	0	6	74	141
Mohonk	4	0	0	0	1	14	1	0	0	0	5	14	0	37
10/31	MOD	W-SW	MOSTLY CLOUDY											
	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Lighthouse	6	0	3	0	5	14	1	0	1	0	1	3	0	28
Quaker Ridge	7	0	0	0	3	18	6	0	0	0	0	3	0	32
Hook Mt	6	1	1	0	5	42	1	2	1	2	2	0	0	60
Mohonk	5	0	0	0	1	15	4	1	0	0	0	14	0	37
Mt Peter	6	0	0	0	1	25	3	0	0	0	0	0	0	31
Montclair	6	0	0	2	1	31	10	2	0	0	7	0	1	54
Picatinny	5	0	0	1	2	36	1	1	0	0	1	2	0	45
Wildcat Ridge	6	0	0	0	3	31	4	1	0	0	0	16	0	55
Chimney Rock	7	0	1	1	6	20	7	1	0	0	1	1	0	39
11/1	MOD-LT	NW-W	HAZY											
	HRS	BW	OS	BE	NH	SS	CH	AK	ML	PG	RS	RT	TV	TOT
Fire Island	6	0	5	0	7	1	0	0	13	2	0	0	0	28
Cadillac Mt	5	0	1	0	7	21	0	0	1	0	0	0	0	31
P Monadnock	7	0	0	0	0	6	6	0	0	0	1	38	1	59
Barre Falls	5	0	0	0	3	19	4	2	1	0	0	12	1	43
Blueberry Hill	6	0	0	0	0	12	1	1	0	1	15	1	0	33

