Massachusetts Butterflies

Spring 2013, No. 40
Massachusetts Butterflies is the semiannual publication of the Massachusetts Butterfly Club, a chapter of the North American Butterfly Association. Membership in NABA-MBC brings you American Butterflies, Butterfly Gardener, Massachusetts Butterflies, and our spring mailing of field trips, meetings, and NABA Counts in Massachusetts. Regular NABA dues are $30 for an individual, $40 for a family, and $60 outside the United States. Send a check made out to NABA to: NABA, 4 Delaware Road, Morristown, NJ 07960. An “MBC only” membership is $15, and includes a subscription to Massachusetts Butterflies and all club mailings. Send a check made out to Massachusetts Butterfly Club to our club secretary, address below.

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Cover photo: Long-tailed Skipper (*Urbanus proteus*), Sylvan Nursery, Westport, MA, 10/5/12, Frank Model
From the Editor:

For twenty years, *Massachusetts Butterflies* has been providing Massachusetts' butterflers with annual summaries of field records as well as natural history articles and a variety of notes about the lepidoptera of the Bay State. The journal began in the spring of 1993 under the editorship of Brian Cassie, shortly joined by Tom Dodd in 1993 and 1994. Brian was really the founder of the club, and wore many hats in those days, but he also found the time to establish the journal as an outstanding biannual summary of the state of Massachusetts' butterflies. He remained editor for the first 10 issues, and has continued to write for us over the years, including his compilation of 2012 butterfly memories in this issue. He passed the editorship baton to Alison Robb in August 1998. She proceeded to grace the next couple of issues with her delicate pencil drawings of skippers. She did a wonderful job as editor through the Fall 2001 issue, and her lovely drawing of a Common Wood-Nymph appears on that issue's cover.

Brian Cassie briefly resumed editorship for 2002. Then, beginning in Spring 2003 and for the past ten years, the editorship has been most capably handled by Sharon Stichter. During her tenure as editor, she has excelled at managing and producing a wonderfully informative and beautifully crafted journal that we are all so proud to claim as our club's own. She has worked very, very hard on behalf of the journal and the club, and most recently she has also developed her own outstanding website on *The Butterflies of Massachusetts: A New Look at Their History, Status, and Future*, at: www.butterfliesofmassachusetts.net. We all would like to thank Sharon, very much, for her many years of effort for the club, and we wish her well in her new endeavors.

As we enter our third decade of publication, I hope to continue to assist in providing the quality publication that helps make the Massachusetts Butterfly Club one of the premier butterfly watching organizations in the country. I urge everyone to contribute articles and photographs about butterflies, butterfly gardening, and butterfly watching in Massachusetts. We are always looking for new and interesting information, field notes, and book reviews, and our new color center section will be a great showcase for your beautiful photographs. My contact information is on the inside front cover, and I look forward to hearing from you,

Bill Benner, Editor
From spring through late fall and from every corner of the state, email and phone reports of butterfly migrations and southern species came pouring in to websites, newspapers, and other media outlets in 2012. It was a butterfly blitz of a year, probably the best we have ever seen in Massachusetts in terms of rarities and massive migratory flights. So, we asked members of the Massachusetts butterfly community to share, in a single paragraph, some of the year’s outstanding highlights. Here are the responses we received – somewhat edited for space but we hope not for excitement.

My most outstanding event of 2012 was coming very close to losing my 18-year old colony of Baltimore Checkerspots from too much success! So many caterpillars recovered from hibernation last spring that they totally consumed the primary host plant, Narrow-leaved Plantain (*Plantago lanceolata*). By early summer, there was hardly a single leaf in sight, and I was able to save that generation only by manually moving caterpillars by the hundreds onto every ‘alternate’ host plant I could find. By the time there were gravid female butterflies, the plantain (the only acceptable host plant for egg deposition here) had recovered somewhat, but there were signs, to me at least, of ‘desperation’ egg laying such as large multiple egg masses, and a return (for the first season in many) of depositions on Butterfly Bush. This ‘starvation scenario’ is described in some literature for various checkerspots (*Euphydryas* spp.). One good outcome of this, however, owing to the large number of butterflies, was being able to encounter and photograph the very rare aberrant ‘superba’ form.

Don Adams
Having resident Zabulon Skippers in my yard was one of the 2012 season’s highlights for me. Perhaps one reason is that the males were so predictably present. Depending on the time of the day and the position of the sun, there were three different plants that one or two males would be perching on. In 2011, I first saw a male in my yard on August 3 and I had regular sightings until September 26. In 2012, my first sighting was on May 12. On August 17 and 20, I saw two males and one female, and saw the two males regularly until September 17. I don’t have a lawn and let lots of different grasses grow naturally, so apparently there is something they like and I’m hoping they will appear again next spring. Another 2012 season highlight was my high count of Frosted Elfin in Foxboro. On May 25, I counted 123. This was a surprising and exciting comeback from my high count of 7 in 2008, when the population crashed, and of 17 in 2011. I have been monitoring the population since 2004.

Madeline Champagne

It should have been clear that this year would be special when, on the early spring Club trip to Mount Tom, Tom Gagnon found a White M Hairstreak. A few days later, we saw yet another White M on the Montague Sand Plains and this individual let us get some good photographs, fresh and showing the stunning blue on the upper side of its wings. Then came the flights of Red Admirals and we said the year would be remembered for the grand influx of this species. Well, we spoke too soon; it then became the year of the Question Mark. More Question Marks than Eastern Commas. We thought that would do it for a special year. We did not have any luck when we looked for Early Hairstreak, Hessel’s Hairstreak, or Bog Elfin. So, having missed these species, we did not really chase for a high species count in Massachusetts for 2012. In August, our species count started to expand along with a flight of Painted Ladies. At summer’s end, Gail Howe Trenholm discovered the first of a number of colonies of Little Yellows in the state. This is
a much sought after species that was new for us in Massachusetts and we got to see it in two of the four spots it was found this year. On visits to the South Shore, we got to see Sachems at Allen’s Pond, Cloudless Sulphurs at Horseneck Beach, and an Ocola Skipper at Sylvan Nursery. The Giant Swallowtail population that was first found in the southwestern corner of the state expanded and we saw them in the Northampton Community Gardens along with Checkered White and Common Checkered and Long-tailed Skippers. We ended up seeing 104 species in Massachusetts this year and our ‘Life List’ for the state climbed to 111 species. It was a banner year for butterflies here with major movements of multiple species as well as the discovery of new colonies of Little Yellows and Common Checkered Skippers.

Ron and Sue Cloutier
There was much to like about this butterfly season and I am sure that much of what I liked about it will be common to other members of the MBC. One thing that did get my attention that may not be often mentioned was the effect of this season on a few people who do not usually pay attention to butterflies. During the enormous spring migration of American Ladies, Red Admirals, and Question Marks here on Cape Cod, a few people e-mailed me asking what was going on, and that happened again during the irruption of Painted Ladies in August. During the summer, a friend from Fairhaven sent photos taken at the butterfly bush in her yard and wondered what she was seeing. It turned out she was seeing both Zabulon Skipper and Sachem. Later in the year, she was traveling along Sconticut Neck Road on the way to West Island and was inundated with Monarchs at the beginning of that migration. Some people were not able to ignore what was going on around them and a few of my friends have now taken an interest in butterfly watching as a result of the remarkable events of this year. In fact, not only has my friend in Fairhaven taken up butterfly watching, her teenage daughter even went in the field with us once.

Imagine! One of my favorite things about this year was that some people’s eyes were opened to an aspect of our beautiful world that they had not noticed before.

Joe Dwelly

The most interesting event of my year with regards to my interest in butterflies were my observations of the elfins. I am enamored with the group’s intricate beauty in shades of tan and brown, with flecks and tones of purples and greens. If only I could witness the smallest of them, that elusive Bog Elfin. Our other Massachusetts elfins - the Brown, Hoary, Frosted, Henry’s, and Eastern Pine - showed themselves well in the bountiful year of 2012. I have a photography site dedicated to the elfins: http://dysart.zenfolio.com/elfin
We are real tyros, neophytes at identifying butterflies, but we did have two great experiences in Massachusetts this year. We traveled out to Bartholomew’s Cobble to see the Giant Swallowtails and were not disappointed as we saw several nectaring on the Wild Bergamot and flying around. A couple of days later, they were being reported from eastern Massachusetts but the drive out there and the location were worth it. The other experience was finding and identifying a Little Yellow at Gooseberry Neck, a first for us and not too difficult to identify, as it appeared to be half the size of other yellow butterflies. We had not heard that Little Yellows were there so it was a find for us.

George Gove & Judy Gordon

Nectaring at Purple Loosestrife at the cattail marsh edge in my backyard in July was my first northern Giant Swallowtail. Later, I played a hunch and took a coffee break from composing my latest DVD - mainly on Baltimore Checkerspots - and noticed a busy-body flitting quickly around the big Buddleia bush. It turned out to be a Long-tailed Skipper, complete with that radiant cerulean blue that dazzled the senses. During the Fourth of July butterfly census, I was disappointed to find few if any hairstreaks in their usual habitats, from Hatches Harbor, Provincetown to Evan’s Field, to Horton’s Camping Resort. My crown jewel habitat in No. Truro was devastated with the loss of 98% of its resident milkweed and there were literally no Coral Hairstreaks. On the positive side, Coral, Banded, & Striped Hairstreaks nectared at milkweed at the Cape Cod National Seashore NAC lab in North Truro and an Edwards’ Hairstreak was found at the Crane WMA in Falmouth by Alison Robb and Joe Dwelly. Baltimore Checkerspots have occurred in a gala bonanza three years running all along the Marstons Mills
Airport fringe just off Route 149.

Tor Hansen

I think the most spectacular event this past season (since I somehow missed seeing a Giant Swallowtail up here) was the huge irruption and seemingly (at least slightly) directed movement of *Vanessa* butterflies, especially the Painted Lady (*Vanessa cardui*). For me, the memory is further colored by lobster, since the butterflies seemed to be streaming by constantly during several outdoor lobster-laden events. Lobster were also very abundant this past season, though it didn’t necessarily help the lobstermen much because the prices were low.

Les Kaufman

Annie and I have only recently been seeking out butterflies that we haven’t seen before. So much was new to us and this year the “southern invasion” added even more species to chase. I wanted to photograph Giant Swallowtails, having only seen a fly-by last season. So, we headed out to southwestern Massachusetts to look for them. We had a great time with Giants on the bergamot, a Luna Moth in the woods, and mating Harvesters along the river. Being characteristically greedy for even more, we checked out some local trees for Hackberry Emperors. We walked the road and looked up into the trees, but saw nothing. Walking back to the car, Annie spotted a pearly eye in the road. With a closer look it didn’t look like a Northern Pearly Eye. It was a Hackberry Emperor, our first and it gave us real good looks, perching on my finger. As if this wasn’t enough, it flew to the shrubs and landed near a Gray Comma. That was certainly a day to remember for us.

Garry & Annie Kessler
Multiple great memories of this great butterfly year—most of them from our own back yard. Probably most amazing were the many Giant Swallowtail sightings, in the garden almost daily for weeks throughout the season, with 3 different peaks (broods?), including more than two dozen caterpillars on our two Rue plants at one point. And to think a couple of years ago we saw our very first one in the state. Also memorable was the August day of Painted Ladies, when in one afternoon their numbers in the garden went from two to an unprecedented five, to over 40 together in one patch of garden by the end of the day! And finally, on another August day we hosted fellow butterfly people for a very successful gardening class, accompanied by some cooperative Giants. We actually said aloud after the folks had left that the only way it could get any better would be to see a new butterfly for the yard. Sure enough, in that late afternoon our first ever Common Buckeye found our butterfly bushes. A very memorable year!

Bill Benner & Joe Wicinski

My most memorable butterfly moment in 2012 was finding the first Monarch of the year in, of all places, the butterfly bushes at my parents’ house in Everett.

Lorene Melvin

My Massachusetts butterfly year was abbreviated because I was in California until May, followed by a three-week butterfly photography trip to Western China. So I didn’t get home until well into June, thereby missing all of our “early” butterflies. But there were still many great moments. The first was when I finally re-found the Two-spotted Skipper in northwestern Worcester County in late June. A female two-spot even gave me a dorsal view and actually appeared to have two spots [though there are really more]. Then there was the MBC trip to Bartholomew’s Cobble and environs in July which yielded over 40 Giant Swallowtails. And the trip led
by Tom Gagnon to Berkshire County a week later which pro-
duced three [or was it four?] Gray Commas. And the fall migrants
weren’t too shabby either, especially the colony of Little Yellows
in Mattapoisett, which I dubbed “Trenholm Colony” in honor of
it’s discoverer, Gail Howe Trenholm. That was a “Massachusetts
lifer” for me. With the possible exception of Queen, which I don’t
recall being reported, the club “ran the table” of reasonably proba-
ble migrant species. Just a great year, beginning to end.

Frank Model

One of my favorite moments in this year of many great butterfly
moments came on the first Massachusetts Butterfly Club trip on
April 7, led by Tom Gagnon. Weather was an issue as it was in the
high 40s when we arrived at the Bray Lake parking lot at Mt. Tom.
A long walk past Goat Peak produced nothing more than Mourning
Cloaks. Nice, but expected, as the temperature climbed into the
50s. Back at Goat Peak about noon, I was headed back down the
trail from the tower assuming we would not see anything else when
I heard someone call, “Hairstreak.” I took a few more steps down-
hill in disbelief when I heard more calls. I returned to see Tom part
way down the slope from the tower calling, “White M Hairstreak!”
Most of us got a good look at this unexpected butterfly by bashing
downhill through the underbrush to where it had landed. It was a
great start to a great year!

Steve Moore

Memorable sightings were of a Fiery Skipper on Buddleia in Prov-
incetown, 100 or more Sachems in Chatham, Orleans, Brewster,
Eastham, and Provincetown on both Buddleia and Sedum, four
Long-tailed Skippers in Orleans and Eastham on Buddleia, and
eight Cloudless Sulphurs in Chatham, Orleans, and Brewster.

Dave Norris
My 2012 Butterfly Year was punctuated by three especially memorable occurrences. The first came on January 2 while I was participating in the Martha’s Vineyard Christmas Bird Count. Despite being a notably mild mid-winter day, Allan Keith, Bob Stymeist, and I were startled to see a sulphur skipping over a green lawn near Squibnocket Pond. Closer scrutiny revealed the butterfly to be an Orange Sulphur, not surprisingly one of the tiny late season forms. Needless to say, this exceeded by many weeks the latest (earliest!) occurrence of this species I’ve ever recorded in Massachusetts.

Another personal early first record came on March 8 when I found an Eastern Comma flying in the Wildlands Trust’s Striar Conservancy in Halifax during one of the record-breaking warm temperature days this spring. And finally, I was particularly pleased to find a Checkered White – my first for Massachusetts – flying at Pochet Island in East Orleans on the tardy date of October 13 for one of the latest additions to the October Derby. All and all, it was a banner year for butterflies!

Wayne Petersen

There were too many personal hi-lites for me and I cannot choose just ONE. Finding 21 GRAY COMMAS from April 16th all the way through October 18th was a lot of satisfaction, and 102 GIANT SWALLOWTAILS were fun. The two sightings of a RED-BANDED HAIRSTREAK in my garden plots at the Northampton Community Gardens were very exciting: 4th and 5th STATE RECORDS. Also finding over 100 species of butterflies in the state of Massachusetts was a challenge and exciting.

Tom Gagnon

2012 was my second year seeking out butterflies and was it won-
derful! I recorded 50 different species of butterflies and that is
without counting a few skippers I never did figure out. My first
year I recorded 23. I had a Giant Swallowtail visit my yard and co-
operate nicely for photos and that was definitely a highlight. Other
highlights included Coral, Banded, Edwards’, and White M Hair-
streaks. I really enjoyed climbing Blue Hill and finding so many
butterflies on the summit. The Painted Lady irruption was also a
fun surprise. I remember the day I went outside and found my but-
terfly bush just filled with fresh Painted Ladies. I also was thrilled
to see hundreds and hundreds of Monarchs at Eastern Point,
Gloucester in September. I was so in awe at the sight of them all.
I don’t think I’ll ever forget it and only hope I get to repeat it some
day. I enjoyed two MBC field trips and saw two new butterfly
species on them: Harvester and Leonard’s Skipper. I became a
member of the MBC. I have learned so much from the MBC web
site and use it regularly to identify what I have photographed. I
particularly enjoyed the Google Group notices about what people
were seeing and where. The decisions about how and where to
spend my weekend days were sometimes so tough! I cannot wait
to see what 2013 brings.

Dawn Puliafico

At World’s End Reservation in Hingham on May 12, we were
thrilled by astonishing numbers of butterflies: we covered bare-
ly 1/6th of the area, yet counted at least 913 Red Admirals and
saw many, too, on the drive down to Hingham and back. What a
privilege to be there to witness these energetic guys flying in from
the southwest at the rate of about one every ten seconds! We also
found 34 fresh Painted Ladies, 231 (mostly elderly) American
Ladies, 42 Eastern Commas, and 49 Question Marks, mostly newly
emerged. Other remarkable species, in numbers we had never
experienced before in a single day, were 198 Common Ringlets,
43 American Coppers, and 39 Pearl Crescents. Also present were
a dozen other spring species in smaller but more typical numbers.
It was a really beautiful cloudless afternoon, in the low 70s with a
slight breeze, and the wildflowers had just begun to bloom. Such admirable timing!

Lesley Stillwell & Bob Bowker

Giant Swallowtails exploded eastward across the state this past summer. Although everyone else seemed to be reporting the species from their towns, we seemed to be in a “dead zone.” Then, on Aug. 20, my Medfield friend left me an excited phone message that she was watching a Giant Swallowtail on her Buddleia “right now!” Of course, I was away that morning. Eight days later, on Aug. 28, she called again, to say a Giant Swallowtail was back again in her back yard. She watched it fly from the fading Buddleia to her Lantana before it flew away. After I had seen reports of Giant Swallowtails at the Mass Horticultural Society gardens at Elm Bank, Wellesley, we decided to go there on Aug. 29. And while we were in the New England Trial Garden, I finally spotted and photographed my first Giant! For the next 35 minutes, we followed this well worn individual (with both tails missing) as it flew from flower to flower. I shot some 60 photos (saving 15) and two video clips.

Walt Webb

Nan Wilson, Elise Barry, Barbara Volkle, and Ron Cloutier, Springfield, ME, 8/2/12
After what amounted to a non-winter in the region, butterflies began appearing early and often, and continued through November. Temperatures in the 90’s in March set the stage for early than normal flight periods for most species. The sunny hot weather continued throughout most of the season, which apparently served as an invitation to numerous Southern species to come visit for the summer. It will be interesting to discover if this has a carry-over effect in 2013.

Following the NABA checklist the number of species reported for 2012 was 111.

If you weren’t careful in 2012 you could have been run over by butterflies. A wave of Red Admirals and Question Marks surged northward into and through the state in May, Giant Swallowtails seemed to be everywhere during the second half of July and through August, and then Painted Ladies poured southward through the state in amazing numbers during the second half of August.

Over 8,000 records were received for the 2012 season. Thank-you to the many observers submitting records either directly to me or posting their sightings on the MassLep butterfly list server. Unfortunately it’s not possible to fit more than a fraction of the total records in the available space. This does not mean that they aren’t important; all reported butterflies are logged in the database and help to give a picture of the health of the various butterfly populations in Massachusetts.

In deciding which records to include I tried to balance a combination of early and late dates, location, high numbers, and observer, in that order.

**SWALLOWTAILS**

Even though there were general expectations of another good year for Giant Swallowtail after the showing it made in 2011, people were still stunned by its amazing population boom when from mid-July through early September it was the most reported swallowtail in the state. Will the many reports of eggs and larva may mean another big year in 2013? Pipevine Swallowtails were reported from only two locations; a yard in Foxboro and an apparently well established colony in Athol, and Black, Eastern Tiger, Canadian, and Spicebush Swallowtail were reported in about normal numbers. Appalachian Swallowtail was reported from Newbury in early July.

**WHITES AND SULPHURS**

Mustard White was reported only from the species’ stronghold in the Berkshires, while West Virginia White was reported in low numbers primarily in higher elevations from the CRV westward. There were two reports of Checkered White, one from Northampton and the other from Orleans. Cabbage White was abundantly reported throughout the season. Clouded and Orange Sulphur reports were about average, and beginning in August Cloudless Sulphur was reported regularly, usually at or near
the coast. Some breeding activity was also seen for this species, so who knows what 2013 may bring. Finally, a colony of Little Yellow was found in Mattapoisett in early August, and by September the species had also moved into the CRV, being found in four places there. The Mattapoisett colony persisted at least through late October.

GOSSAMER-WINGS

This year Harvester was reported not only from its stronghold in the Mystic Lakes area but also from the CRV and the Berkshires.

Although Bronze Copper is known to occur in the Berkshires and CRV, in 2012 it was reported only from its Wayland and Ipswich locations, and a site in Needham. Bog Copper was reported from the three usual locations, even though it is much more widespread. Hairstreak numbers on the whole were a mixed bag in 2012, with some species hardly reported and others popping up all over. Coral Hairstreak was fairly well reported in a four week period from late June through late July. Banded Hairstreak showed up starting in mid-June and persisted through early August. Edwards Hairstreak was well reported from the Woburn-Canton area, but seldom elsewhere. Frosted Elfin was on the wing from early April to early May in the CRV (lupine-feeding), while in eastern Mass. the Baptisia-feeding Frosted’s were out from mid-April at least through the first week in June. Bog Elfin was reported only from Ashburnham. Henry’s Elfin turned up from late March through late May, with all records from the eastern half of the state. Eastern Pine Elfin flew from early April through mid-June, with a peak report of 20 from Royalston. Hoary Elfin was reported from Plymouth county, the outer Cape and islands. In late August Red-banded Hairstreak was sighted for the second straight year, with two records from the NCG. Only two reports of Hickory Hairstreak were received, from the Southern Berkshire 4J and the Blackstone Valley 4J. White M Hairstreak surprised observers from one end of the state to the other, and from early in the season until nearly the end, with the first sighting coming from Holyoke in early April and the last from Brookline in late October. In between White-M was found in such places as Sheffield, Montague, Chilmark, Canton, Newbury, and Barnstable. Hessel’s Hairstreak had one report from Canton, while the relatively more common Juniper Hairstreak was found at eight sites. Gray Hairstreaks were widespread from late March to early October, with the highest number coming from West Tisbury in mid-April. Early Hairstreak was reported three times at the end of May, all from Mt. Greylock. I suspect this may be our most under-reported hairstreak because during the atlas project in the late 1980’s I found the species in far-flung areas, and never when I was expecting it. Spring Azure was reported heavily from late March through April, with records tailing off through late May and early June. Summer Azure emerged just in time to replace it, starting in late May and running through early September. Cherry Gall Azure was reported from a handful of locations mostly in the eastern half
of the state from mid-April through mid-May.

BRUSHFOOTED BUTTERFLIES

Three reports of individual American Snout were received, one each from Rehoboth, the NCG, and the Pittsfield area. Considering the massive influx of other southern species in 2012, one wonders how many American Snout were really out there...

Variegated Fritillary was scarce in 2012, considering the massive influx of other southern migrants throughout the state and season. Aphrodite and Atlantis Fritillaries reports continued below historical numbers. Harris’ Checkerspot was under-reported, and although large numbers were sometimes involved, so was Baltimore Checkerspot. Question Mark staged a major migration into our area in April and May, and Gray Comma was reported the entire length of Berkshire County, as well as one in Hampshire County, at various locations and times from mid-April through the end of August, with a peak count of 4 in mid-July, and a Green Comma was found in mid-July in Savoy. Mourning Cloak started the season in 2012 by appearing in Sherborn on February 22, and continued to dominate reports for the next month. American Lady staged a major invasion in April and May and continued to be seen in numbers through mid-November. After a normal start, Painted Lady produced an amazing passage through the state in the second half of August, with numbers in the hundreds in small areas or for short periods of time. While this observer has of course watched Monarchs coasting gracefully by on their way south in the Fall, I was shocked by the numbers and forceful flight of Red Admirals passing northward in May in 2012. For Milbert’s Tortoiseshell the tide of sightings from just a few years ago appears to have ebbed, with just a small handful of sightings, and mostly singles at that. Compton Tortoiseshell was even scarcer with only three reports, while Common Buckeye was widespread from the CRV east and was one of the last species reported from 2012.

Viceroy numbers were about average and the species was widespread. Both Hackberry and Tawny Emperor were reported from the handful of places they are known to occur in the state. The “Browns”, No. Pearly-eye, Eyed Br., Appalachian Br., Little Wood-Satyr, Com. Ringlet and Com. Wood-Nymph numbers and reports were about as would be expected. Monarch arrived in mid-April and finally left in mid-October.

SKIPPERS

And then there were the skippers. If one hadn’t already been bowled over by waves of migrating Red Admirals, Question Marks or Painted Ladies, there were the influxes of Long-tailed Skippers, Fiery Skippers, Sachems and Zabulon and Ocola Skippers to keep you on your toes. Silver-spotted Skipper had a more or less average year. Long-tailed Skipper began showing up in mid-August in the east and continued to be found until the end of the season in late October. While most records were from the eastern half of the state, L-t S turned up at the NCG and
in Hubbardston and were likely more widespread than that. Hoary Edge appears to have had an off season, as did Southern and Northern Cloudywing. Dreamy Duskywing numbers were off while Sleepy, Juvenal’s, Horace’s and Wild Indigo all had normal seasons. Common Checkered Skipper appeared at and around the NCG from late August through September. Common Soothywing numbers were perhaps off a bit, but this skipper can be fairly easily over looked. With its somewhat limited range in Massachusetts, Arctic Skipper is never well reported, but seven records for 2012 still doesn’t reflect the real range and numbers in the state. European Skipper, while often reported in large numbers, wasn’t reported from many locations in 2012. After an isolated late June record, Fiery Skippers began appearing in earnest in late August and generated numerous records of multiple individuals from Northampton in the west to Ipswich and Dartmouth in the east until the end of the season. Except for an isolated record from Athol, all reports of Leonard’s Skipper were again from the eastern half of the state. Low Cobweb and Indian Skipper reports probably also didn’t reflect those species status in the state, while Peck’s, Tawny-edged, Crossline Skippers and Long and N. Broken Dash and Delaware Skipper were average. Sachems appeared in the southeast in mid-July and were reported from many locations near the coast, sometimes in large numbers, through mid-October, making this species one of the stars of the 2012 season. Zabulon Skipper had another remarkable year in 2012 when the species was recorded in numbers everywhere except the upper CRV and the Berkshires. Broad-winged Skipper turned up in Windsor of all places, while Dion Skipper was present in Florence and in the Housatonic River valley and reported from Northbridge and Westport. Two-spotted Skipper was found in two locations in the middle of the state, while Pepper and Salt Skipper was found a bit further east than usual. There was only one report of Com. Roadside Skipper, from Winchendon in early June. Ocola Skipper rounded out the influx of southern species into our state in 2012 by showing up from mid-August into early October, mostly at or near the coast.

There were 52 new Early or Late flight dates established in 2012, with a large majority being new early dates.

Early Dates: Giant Swallowtail, May 12; E. Tiger Swallowtail, Apr 3; Canadian Tiger Swallowtail, Apr 19; Spicebush Swallowtail, Apr 17; Clouded Sulphur, Mar 19; Orange Sulphur, Mar 22; Am. Copper, Mar 20; Bog Copper, Jun 20; Brown Elfin, Mar 23; Hoary Elfin, Apr 21; Frosted Elfin, Apr 6; Henry’s Elfin, Mar 23; Bog Elfin, May 19; E. Pine Elfin, Mar 29; Juniper Hairstreak, Apr 13; White-M Hairstreak, Apr 7; Gray Hairstreak, Mar 23; E. Tailed-Blue, Apr 14; Cherry Gall Azure, Apr 14; Great Spangled Fritillary, May 13; Silver-bordered Fritillary, May 7; Pearl Crescent, Apr 18; Question Mark, Mar 18; Green Comma, Aug 13; Gray Comma, Apr 16; Mourning Cloak, Jan 1!; Com. Buckeye, Apr 21; Silver-spotted Skipper, Apr 21; Long-tailed Skipper, Aug 14; No. Cloudywing, Apr 15; Sleepy Duskywing, Apr 14; Juvenal’s Dusky-
wing, Apr 11; European Skipper, May 11; Fiery Skipper, Jun 30; Cobweb Skipper, Apr 28; Peck’s Skipper, Apr 30; Tawny-edged Skipper, May 7; Long Dash, May 7; Zabulon Skipper, Apr 28; Pecks Skipper, Apr 30; Tawny-edged Skipper, May 7; Long Dash, May 7; Zabulon Skipper, Apr 28; Dusted Skipper, May 13; Ocola Skipper, Aug 14.

Late Dates: Checkered White, Oct 13; Little Yellow, Oct 22; Coral Hairstreak, Sep 21; So. Oak Hairstreak, Aug 5; Red-banded Hairstreak, Sep 14; Aphrodite Fritillary, Oct 6; Com. Buckeye, Nov 10; Long-tailed Skipper, Oct 25; Fiery Skipper, Oct 25; Zabulon Skipper, Oct 16.

Record High Counts: were obtained for fourteen species in 2012:

Pipevine Swallowtail
7/16 1 Champagne yard, Foxborough - Madeleine Champagne 8/12 3 Athol - Dave Small 8/17 1 Athol - Steve Moore 9/1 1 Athol - Tom Gagnon
Black Swallowtail

Tiger Swallowtail (spp.)
4/12 1 E Longmeadow - Karen Parker 5/6 1 W Bridgewater - Don Adams 5/11 1 Lakeville - Robin Gross
Red Admirals (*Vanessa atalanta*), Cambridge, MA, 5/12/12, Walt Webb

White M Hairstreak (*Parrhasius m-album*), Montague Sand Plains, MA, 4/13/12, Sue Cloutier

Giant Swallowtail (*Papilio cresphontes*), Bartholomew’s Cobble, Sheffield, MA, 7/31/12, George Gove

Red Admirals (*Vanessa atalanta*), Cambridge, MA, 5/12/12, Walt Webb
Henry’s Elfin (*Callophrys henrici*), Arlington Great Meadows, Lexington, MA, 4/18/12, Greg Dysart

Frosted Elfin (*Callophrys irus*), Lamson Road, Foxboro, MA, 5/8/12, Madeline Champagne

American Copper (*Lycaena phlaeas*), Mt. Tom, Holyoke, MA, 5/25/12, Mikayla Willard

Gray Comma (*Polygonia progne*), Windsor, MA, 7/1212, Frank Model
Zabulon Skippers (*Poanes zabulon*), male left, female right, Longmeadow, MA, 8/12/12, Karen Parker

Ocola Skipper (*Panoquina ocola*), Yarmouth, MA, 10/1/12, Joe Dwelly

Red-spotted Admiral (*Limenitis arthemis*), Whately, MA, 6/3/12, Bill Benner
Baltimore Checkerspot (*Euphydryas phaeton*), aberrant ‘superba’ form, West Bridgewater, MA, 6/19/12, Don Adams

Clayton’s Copper (*Lycaena dorcas claytoni*), Springfield, ME, 8/2/12, Barbara Volkle

Clayton’s Copper female (*L. dorcas claytoni*), Springfield, ME, 8/2/12, Barbara Volkle
6/28 2 Norcross Wildlife Sanctuary, Wales - Elise Barry et al
6/30 7 N Worcester NABA - Carl Kamp 
et al
7/7 11 Truro NABA - Tor Hansen et al
7/8 1 Bart's Cobbie, Sheffield - MBC trip
7/14 6 Blackstone Valley NABA - Tom Dodd et al
7/22 14 Chalmark - Allan Keith
7/22 12 Bristol NABA - Mark Mello et al
7/22 7 Northampton NABA - Mark Fairbrother et al
8/2 8 Nasketucket Bay Reserve, Mattapoisett - Gail Howe
8/5 2 Mary Cummings Park, Burlington - Lesley Stillwell et al
8/7 1 Northampton CG - Tom Gagnon
8/12 2 Whately - Bill Benner
8/14 1 Tidmarsh Farms, Plymouth - Mark Faherty
8/17 2 Thompson Fields, Harwich - Joe Dwelly
8/21 2 Easthampton - Bruce King
8/23 2 Arlington - Lisa Wolfe
9/2 2 Halibut Point SP, Rockport - Matt Arey
9/3 1 Longmeadow - Karen Parker
9/17 1 Borden Colony, Raynham - Joe Dwelly
10/5 1 Worcester - Martha Gach

Checkered White
8/30 1 Northampton CG - Ron & Sue Cloutier
10/13 1 Poched Island, Orleans - Wayne Petersen

Mustard White
4/16 2 Windsor - Tom Gagnon
4/30 13 Windsor - Tom Gagnon et al
6/10 1 Notchview Res., Windsor - Julie Richburg
6/15 100 Lenox - Frank Model
7/21 56 C Berkshire NABA - Tom Tyning et al
8/13 13 Savoy - Tom Gagnon

West Virginia White
4/12 2 Sunderland - Ron & Sue Cloutier
4/13 5 Sunderland - Steve Moore et al
4/16 2 Windsor - Tom Gagnon
4/16 1 Savoy - Tom Gagnon
4/30 1 Windsor - Tom Gagnon et al
5/11 1 Whately - Bill Benner

Cabbage White
3/12 1 Natick - Bob Bowker
3/18 1 Florence - Tom Gagnon
3/18 1 W Bridgewater - Don Adams
3/20 1 Edgartown - Matt Pelikan
4/10 6 Holliston - Richard Hildreth
4/17 5 Ashland - Dawn Pulpitico
4/17 2 Falmouth - Kristin Steinmetz
4/29 2 Acton - Tom Whelan
5/14 3 MMP, Williamstown - Bo Zaremba
5/20 3 Sweet Alice CA, Amherst - Joshua Rose & Harvey Allen
5/31 18 Raynham - Joe Dwelly & Randy Buckner
6/24 703 World’s End, Hingham - Bob Bowker et al
6/24 23 Ipswich - Jim Berry
7/13 128 S Berkshire NABA - Rene Laubach et al
7/14 70 N Berkshire NABA - Tom Tyning et al
7/21 172 Brewster NABA - Alison Robb et al
8/4 100 Larkin RA, Northbridge - Bob Bowker
8/6 12 Nantucket - Bo Zaremba
8/19 135 Westport - Mark Lynch
8/29 10 Weston Nurseries, Hopkinton - Dawn Pulpitico
8/24 4 Muir Meadow, Paxton - Elise Barry
8/30 25 AP, Darmouth - S. Moore, B. Volkle, W. Miller
9/3 1 Sherborn PL - Bob Bowker & Leslie Stillwell
9/2 1 Halibut Point SP, Rockport - Matt Arey

Canadian Tiger Swallowtail
4/19 1 Whately - Bill Benner
4/20 3 Goat’s Peak, Holyoke - Tom Gagnon
5/27 45 Petersham - MBC trip
5/29 157 North Adams, Mt Greylock State Res. - Tom Gagnon
6/3 47 North Adams, Mt. Greylock State Res. - MBC trip
7/10 3 Berkshire County - Tom Gagnon
7/14 12 N Berkshire NABA - Tom Tyning et al
7/21 2 Berkshire NABA - Tom Tyning et al

Appalachian Tiger Swallowtail
7/6 6 Old Town Hill, Newbury - Matt Arey

Spicebush Swallowtail
4/17 1 Ward Res, Andover - Howard Hoopele
4/28 1 Myles Standish State For. Curver - Matt Arey
4/29 1 Lonesome - Karen Parker
5/12 1 W Bridgewater - Don Adams
5/16 3 DWWS, Marshfield - Fred Bouchard
5/17 1 Whately - Bill Benner
5/17 1 Ipswich - Jim Berry
5/27 1 Lamson Rd, Foxborough - Madeline Champagne
6/10 1 Rowden Yard, Leicester - Mark Rowden
6/15 2 Graves Farm, Williambarg - Bill Benner
6/24 4 World’s End, Hingham - Bob Bowker et al

Eastern Tiger Swallowtail
3/12 1 Natick - Bob Bowker
3/18 1 W Bridgewater - Don Adams
3/20 21 Edgartown - Matt Pelikan
4/10 6 Holliston - Richard Hildreth
4/17 5 Ashland - Dawn Pulpitico
4/17 2 Falmouth - Kristin Steinmetz
4/29 2 Acton - Tom Whelan
5/14 3 MMP, Williamstown - Bo Zaremba
5/20 3 Sweet Alice CA, Amherst - Joshua Rose & Harvey Allen
5/31 18 Raynham - Joe Dwelly & Randy Buckner
6/24 703 World’s End, Hingham - Bob Bowker et al
6/24 23 Ipswich - Jim Berry
7/13 128 S Berkshire NABA - Rene Laubach et al
7/14 70 N Berkshire NABA - Tom Tyning et al
7/21 172 Brewster NABA - Alison Robb et al
8/4 100 Larkin RA, Northbridge - Bob Bowker
8/6 12 Nantucket - Bo Zaremba
8/19 135 Westport - Mark Lynch
8/29 10 Weston Nurseries, Hopkinton - Dawn Pulpitico
8/24 4 Muir Meadow, Paxton - Elise Barry
8/30 25 AP, Darmouth - S. Moore, B. Volkle, W. Miller
9/3 1 Sherborn PL - Bob Bowker & Leslie Stillwell
9/2 1 Halibut Point SP, Rockport - Matt Arey

Canadian Tiger Swallowtail
4/19 1 Whately - Bill Benner
4/20 3 Goat’s Peak, Holyoke - Tom Gagnon
5/27 45 Petersham - MBC trip
5/29 157 North Adams, Mt Greylock State Res. - Tom Gagnon
6/3 47 North Adams, Mt. Greylock State Res. - MBC trip
7/10 3 Berkshire County - Tom Gagnon
7/14 12 N Berkshire NABA - Tom Tyning et al
7/21 2 Berkshire NABA - Tom Tyning et al

Appalachian Tiger Swallowtail
7/6 6 Old Town Hill, Newbury - Matt Arey
### Cloude Sulphur

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<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Observer</th>
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<tbody>
<tr>
<td>9/14</td>
<td>20 Moore SP, Paxton - Elise &amp; Karl Barry</td>
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<tr>
<td>9/16</td>
<td>71 AP Field Station, Dartmouth - Lauren Miller-Donnelly</td>
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<td>6 Alleton Farms, Ipswich - Matt Arey</td>
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<td>9/23</td>
<td>1 Northampton CG - MBC trip</td>
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<td>9/25</td>
<td>1 Eastern Point, Gloucester - Susan Hedman</td>
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<tr>
<td>10/6</td>
<td>8 Gloucester - Jim Berry</td>
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<tr>
<td>10/16</td>
<td>24 AP Allens Neck, Dartmouth - Lauren Miller-Donnelly</td>
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<td>10/22</td>
<td>4 Ashland - Dawn Pulia</td>
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### Cloudless Sulphur

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<th>Observer</th>
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<tbody>
<tr>
<td>8/13</td>
<td>2 Nasketucket Bay Reserve, Mattapossit - Wendy Miller</td>
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<td>8/19</td>
<td>1 Carthyank Island - Mark Faherty</td>
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<td>1 Manomet, Plymouth - Mark Faherty</td>
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<td>8/26</td>
<td>9 Chatham - Ryan Sain</td>
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<td>1 Morris Island, Chatham - Garry Kessler</td>
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<td>1 Wellfleet Bay Ws, Wellfleet - Mark Faherty</td>
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<td>2 Halibur Point SP, Rockport - Matt Arey</td>
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<td>9/4</td>
<td>1 Yarmouth - Joe Dwelly</td>
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<td>9/7</td>
<td>3 Aucoet - Mark Lynch</td>
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<td>9/13</td>
<td>4 Gossbyeberry Neck, Westport - Ron &amp; Sue Cloutier</td>
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<td>9/14</td>
<td>4 Chatham - Blair Nikula</td>
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<td>9/15</td>
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<td>1 White Horse Beach, Plymouth - Mark Faherty</td>
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<td>1 Chilmark - Allan Keith</td>
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<td>1 Woods Hole - Allen Rob</td>
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<td>3 Newbury - Matt Arey</td>
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<td>10/6</td>
<td>1 Squibocnuck, Chilmark - Allan Keith</td>
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### Little Yellow

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<tr>
<td>8/1</td>
<td>8 Mattapossit - Bo Zarema</td>
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<td>36 Nasketucket Bay Reserve, Mattapossit - Gail Howe</td>
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<td>25 Nasketucket Bay Reserve, Mattapossit - Wendy Miller</td>
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<td>1 Northampton CG - Frank Model</td>
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<td>6 Nasketucket Bay Reserve, Mattapossit - Joe Dwelly</td>
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<td>9/3</td>
<td>6 Sunderland - Mark Fairbrother</td>
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<td>9/7</td>
<td>8 Sunderland - Ron &amp; Sue Cloutier</td>
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<td>10/3</td>
<td>15 Mattapossit - Frank Model</td>
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<td>1 Muddy Brook, Ware - Brian Klassanos</td>
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<td>1 Gossebyeberry Neck, Westport - George Gove</td>
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<td>10/22</td>
<td>6 Nasketucket Bay Reserve, Mattapossit - Joe Dwelly</td>
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### Orange Sulphur

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<tr>
<td>6/27</td>
<td>9 Moore SP, Paxton - Elise &amp; Karl Barry</td>
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<td>4 Marston Mills Airport - Joe Dwelly</td>
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<td>20 MHF, Sharon - Madeleine Champagne</td>
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<td>140 N Worcester NABA - Carl Kamp et al</td>
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<td>123 B Berkshire NABA - Joe Dwelly</td>
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<td>14 Blackstone Valley NABA - Tom Dodd et al</td>
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<td>10 Mystic Lakes, Medford - Rene LaFontaine</td>
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<td>2 Bart's Cobble, Shefelford - Gary Kessler</td>
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<td>2 Savoy - Tom Gagnon</td>
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<td>1 FS WMA, Longmeadow - MBC trip</td>
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<tr>
<td>9/19</td>
<td>1 Medford - Renee LaFontaine</td>
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### American Copper

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<td>3/20</td>
<td>2 Carlisle CA Cranberry Bog - Simon Perkins</td>
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<td>4/14</td>
<td>1 BHIB, Canton - Matt Arey</td>
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<td>4/17</td>
<td>1 Boxford - Jim Berry</td>
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<td>1 Wellfleet Bay Ws, Wellfleet - Mark Faherty</td>
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<td>4/20</td>
<td>12 Gloucester - Susan Hedman</td>
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<td>4/21</td>
<td>1 E Longmeadow - Karen Parker</td>
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<td>4/21</td>
<td>1 Oak Bluffs - Matt Pelikan</td>
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<td>12 Ward Res, Andover - Howard Hoople</td>
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<tr>
<td>4/29</td>
<td>18 Dennis-Greenough Ponds, Yarmouth - Joe Dwelly</td>
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<tr>
<td>4/30</td>
<td>48 Chelmford PL - Lesley Stillwell &amp; Bob Bowker</td>
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<tr>
<td>5/6</td>
<td>6 Borden Colony, Raynham - Joe Dwelly</td>
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<tr>
<td>5/6</td>
<td>18 Weir Hill Res, N Andover - Russ Hopping</td>
<td></td>
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Henry's Elf
3/23 1 Essex County - Matt Arey
4/13 5 Foul Meadows, Milton - Sam Jaffe
4/14 1 Acton - Tom Whelan
4/16 3 Great Meadows, Lexington - Tom Whelan
4/18 10 Foul Meadows, Milton - Sam Jaffe
4/18 1 Hamilton - Jim Berry
4/20 2 Sherborn PL - Bob Bowker
4/27 1 Ponkapaug Bog, Canton - Rosemary Mosco
4/30 3 MBWMA, Newbury - Sharon & Joe Stichter
5/12 1 Tom Swamp, Petersham - Mark Rainey
5/27 1 Petersham - MBC trip

Bog Elf
5/19 1 Old County Rd, Ashburnham - MBC trip

Eastern Pine Elf
4/4 8 Mottaguate Plains - Sue & Ron Cloutier
4/10 2 Delaney WMA, Stow - Steve Moore
4/11 1 Holliston - Richard Hildreth
4/13 1 Ward Res, Andover - Russ Hopping
4/14 15 Myles Standish State For. Carver - Matt Arey
4/14 9 Correllus State Forest, West Tusbury - Matt Pelikan
4/17 1 Wellfleet Bay Ws, Wellfleet - Mark Faherty
4/20 3 Whately - Bill Benner
4/20 2 E Longmeadow - Karen Parker
4/30 1 Chelmsford PL - Lesley Stillwell & Bob Bowker
5/20 1 Tully Dun, Royalston - Carl Kamp
5/11 5 Pilgrim Lake, Truro - Joe Dwyer
5/17 2 Delaney WMA, Stow - Tom Murray
5/19 6 Old County Rd, Ashburnham - MBC trip
5/27 1 Royalston - Mark Lynch & Sheila Carroll
6/10 3 Winchendon - Carl Kamp

Juniper Hairstreak
4/13 3 HPM, Woburn - Howard Hoople
4/17 1 HPM, Woburn - Steve Moore & Howard Hoople
4/19 1 HPM, Woburn - Howard Hoople
4/21 3 Middlesex Fells, Winchester - Matt Arey
4/29 4 World's End, Hingham - Mike Polana
4/30 5 World's End, Hingham - Russ Hopping
5/12 1 HPM, Woburn - Greg Dysart
5/17 4 Wellfleet Bay Ws, Wellfleet - Mark Faherty
5/25 2 Holyoke - MBC trip
7/15 1 GHH, Canton - Steven Whitbread
7/17 1 GHH, Canton - Greg Dysart
7/21 1 Brewster NABA - Alison Robb et al
7/21 1 GHH, Canton - Garry Kessler
7/22 1 MV NABA - Matt Pelikan et al

Hessel's Hairstreak
5/20 3 Ponkapaug Bog, Canton - Mark Rainey

White M Hairstreak
4/7 1 Goat's Peak, Holyoke - MBC trip
4/13 1 Montague Plains - Steve Moore et al
4/13 1 Goat's Peak, Holyoke - Tom Gagnon
4/21 1 Middlesex Fells, Winchester - Matt Arey
4/30 1 Wachusett's Rock, Chilmark - Allan Keith
5/12 2 Sheffield - Matt Arey
7/4 1 GHH, Canton - Garry Kessler
7/5 2 GHH, Canton - Garry Kessler
8/11 1 Mattapossett - Bo Zaremba
8/16 1 Tidmarsh Farms, Plymouth - Mark Faherty
8/17 1 Nash excitement Bay Reserve, Mattapossett - Brian Cassie et
8/18 1 Old Town Hill, Newbury - Matt Arey
8/26 1 LPWS, Barstable - Marianne Woods
9/13 1 Brighton - Peter Dransmiro
9/14 1 Moore SP, Paxton - Kristin Steinmetz
9/16 2 Tidmarsh Farms, Plymouth - Mark Faherty

Gray Hairstreak
3/23 1 HPM, Woburn - Matt Arey
4/13 1 Crane WMA, Falmouth - Joe Dwyer
4/14 1 Dauphinais Park, Grafton - Dolores Price
4/14 6 Sherborn PL - MBC trip
4/17 12 Correllus State Forest, West Tusbury - Matt Pelikan
4/24 1 Ipswich - Jim Berry
5/12 1 Lamson Rd, Foxborough - Madeleine Champagne
5/17 1 Marriotts Mill Airport - Joe Dwyer
5/17 1 Ward Res, Andover - Russ Hopping
5/20 1 Florence - Tom Gagnon
5/20 1 Sherborn PL - Bob Bowker & Lesley Stillwell
5/31 2 Westborough WMA - Wendy Miller
6/30 1 E Longmeadow - Karen Parker
7/2 5 Old Town Hill, Newbury - Matt Arey
7/14 6 Blackstone Valley NABA - Tom Dodd et al
7/14 6 Falmouth NABA - Alison Robb et al
7/22 3 MV NABA - Matt Pelikan et al
8/1 4 Mattapossett - Bo Zaremba
8/7 1 Ashland - Dave Pulia
8/8 3 Borden Colony, Raynham - Joe Dwyer
9/2 2 Haliburton Point SP, Rockport - Matt Arey
9/3 1 Northampton CG - Bill Benner
9/3 1 Oak Bluffs - Matt Pelikan
9/7 1 Sunderland - Ron & Sue Cloutier
9/16 4 AP Field Station, Dartmouth - Lauren Miller-Donnely
10/5 1 Sylvan Nursery, Dartmouth - Frank Model
10/5 1 Stichet Yard, Newbury - Sharon and Joe Stichter

Red-banded Hairstreak
8/18 1 Northampton CG - Tom Gagnon
8/28 1 Northampton CG - Tom Gagnon
9/14 1 Moore SP, Paxton - Elise & Karl Barry

Early Hairstreak
5/27 6 North Adams, Mt. Greylock State Res. - Terri Armata
5/29 10 North Adams, Mt. Greylock State Res. - Tom Gagnon
6/3 2 North Adams, Mt. Greylock State Res. - MBC trip

Eastern Tailed-Blue
4/14 1 Correllus State Forest, West Tusbury - Matt Pelikan
4/15 2 Old Town Hill, Newbury - Matt Arey
4/17 15 Correllus State Forest, West Tusbury - Matt Pelikan
4/18 4 Woburn, Mary Cummings Estate - Bob Bowker, Leslie
4/26 2 Lamson Rd, Foxborough - Madeleine Champagne
4/29 1 Acton - Tom Whelan
4/30 1 Windsor - Tom Gagnon et al
5/6 26 Sherborn PL - Bob Bowker & Lesley Stillwell
5/6 10 HPM, Woburn - Howard Hoople
5/12 2 FS WMA, Longmeadow - Steve Moore
5/12 5 Sheffield - Matt Arey
5/17 10 Millford PL - Bob Bowker & Lesley Stillwell
5/20 1 Hadley - Joshua Rose
5/20 1 Montague - Mark Fairbrother
6/23 1 E Longmeadow - Karen Parker
6/24 6 W Tisbury - Matt Pelikan
6/24 5 Crowe's, Dennis - Joe Dwyer
6/29 1 Graves Farm, Williamsburg - Bill Benner
6/30 14 N Worcester NABA - Carl Kamp et al
7/7 10 C Franklin NABA - Mark Fairbrother et al
7/13 15 S Berkshire NABA - Rene Laubach et al
7/14 13 Blackstone Valley NABA - Tom Dodd et al
7/22 13 Bristol NABA - Mark Mello et al
8/4 6 Lurkna RI, Northbridge - Bob Bowker
8/6 2 Sudbury - Greg Dysart
8/13 12 Naskeagut Bay Reserve, Mattapossett - Wendy Miller
8/19 14 Rt 169 PL, Charlton - Bob Bowker & Lesley Stillwell
8/20 2 Upton State Forest - Tom & Cathy Dodd
8/22 1 Gloucester - Rick Heil
8/23 13 NP - Bo Zaremba
8/25 1 MMP, Williamstown - Bo Zaremba
8/29 5 Wellfleet Bay Ws, Wellfleet - Mark Faherty
9/3  8 Sunderland - Mark Fairbrother
9/7  7 Oak Grove Farm, Millis - Madeline Champagne
9/16 5 AP Field Station, Dartmouth - Lauren Miller-Donnelly
9/22  5 Wayland - MBC trip
10/5 13 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly
10/15 15 Sylvan Nursery, Dartmouth - Frank Model
10/6  5 Newbury - Matt Arey
10/22  4 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly

Spring Azure
3/20  1 New Salem - Ron & Sue Cloutier
3/21  1 Attleboro - Madeline Champagne
3/22  1 E Bridgewater - Eddie Giles
3/22  1 E Longmeadow - Karen Parker
3/23  4 Royalston - Carl Kamp
4/1   1 Oak Bluffs - Matt Pelikan
4/4   8 Montague Plains - Sue & Ron Cloutier
4/6   1 Easton - Kevin Ryan
4/13  1 Crane WA, Falmouth - Joe Dwelly
4/13  36 Fowl Meadows, Milton - Sam Jaffe
4/15  10 Assabet River NWR, Sudbury - Dawn Pulia
4/16  13 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly
4/17  26 Bayberry Hills PL-Bike Path, Varnum's - Joe Dwelly
4/17  15 Wellfleet Bay Ws, Wellfleet - Mark Faherty
4/20  30 Myles Standish State For. - Steve Moore & Tom
4/25  5 Holliston - Richard Hildreth
4/27  24 MSSF, Plymouth - Joe Dwelly
4/30  20 Mennesha Hills, Chinamark - Allan Keith
5/12  15 Chinamark - Allan Keith
5/14  2 MMP, Williamstown - Bo Zaremba
5/1  1 North Adams, Mt. Greylock State Res. - Greg Dysart
5/6  1 Barneys Joy, Dartmouth - Lauren Miller-Donnelly
5/16 1 Dunback Meadows, Lexington - Dawn Pulia

Cherry Gall Azure
4/14  10 GBH, Canton - Matt Arey
4/15  2 Old Town Hill, Newbury - Matt Arey
4/21  5 Middlesex Fells, Winchester - Matt Arey
5/12  20 Winchendon - Carl Kamp
5/17  3 Holt Farm, W. Tabory - Matt Pelikan
5/18  1 Moore SP, Paxton - Elise Barry

Summer Azure
5/27  1 Petersham - MBC trip
6/3  4 North Adams, Mt. Greylock State Res. - MBC trip
6/11  Dunback Meadows, Lexington - Bob Bowker & Lesley
6/30  9 N Worcester NABA - Carl Kamp et al
7/10  1 Moore SP, Paxton - Elise Barry
7/14  29 N Berkshire NABA - Tom Tyning et al
7/22  5 Sheffields, Steve Moore et al
8/12  2 Whately - Bill Benner
8/13  2 Savoy - Tom Gagnon
8/14  1 Tidmarsh Farms, Plymouth - Mark Faherty
8/19  9 Cuttyhunk Island - Mark Faherty
8/26  3 North Adams, Mt. Greylock State Res. - Bo Zaremba
9/2  2 Halibut Point SP, Rockport - Matt Arey
9/16  1 W Bridgewater - Don Adams

Silver Blue
4/16  1 Poconopaug Bog, Canton - Bob Bowker & Lesley
4/16  1 Fowl Meadows, Milton - Tea Kesting-Handly
5/6   1 Weir Hill Res, N Andover - Russ Hopping
5/12  2 Sheffields, Matt Arey
5/17  25 Delaney WMA, Stow - Tom Murray
5/18  4 Weir Hill Res, N Andover - Howard Hoople
5/19  3 Delaney WMA, Stow - MBC trip
5/23  8 Delaney WMA, Stow - Steve Moore

American Snout
7/21  1 C Berkshire NABA - Tom Tyning et al
8/4  1 Rehoboth - Lauren Miller-Donnelly
9/3  1 Northampton CG - Bill Benner

Variegated Fritillary
6/30  3 Tidmarsh Farms, Plymouth - MBC trip
7/18  3 Northampton CG - Tom Gagnon
7/18  1 Moran WMA, Windor - Frank Model
8/18  1 Plum Island, Newbury - Matt Arey
9/3  2 Northampton CG - Bill Benner
9/17  1 Northampton CG - Frank Model
10/1  1 Northampton CG - Tom Gagnon

Great Spangled Fritillary
5/13  1 Natick - Glenn Long
5/26  1 Winchendon - Garry Kessler
6/8   1 Cross St., Millbury - Dolorus Price & Wendy Miller
6/10  1 E Longmeadow - Karen Parker
6/10  3 Muddy Brook, Ware - Brian Klassanos
6/14  2 Waseeka Wildlife Sanc, Hopkinton - Dawn Pulia
6/14  1 Holliston - Richard Hildreth
6/15  2 Graves Farm, Williamstown - Bill Benner
6/15  1 Field Farm, Williamstown - Pam Weatherbee
6/17  6 Rt 169 PL, Charboro - Bob Bowker et al
6/20  3 Tully Dam, Royalston - Steve Moore et al
6/28  19 Notocoris Wildlife Sanctuary, Wales - Elise Barry et al
6/29  4 Graves Farm, Williamstown - Bill Benner
6/30  114 N Worcester NABA - Carl Kamp et al
7/1  3 Northampton - Joshua Rose
7/2  15 Aldrich Rec. Area, Northbridge - Bob Bowker & Lesley
7/5  14 BMWA, Newbury - Sharon & Joe Stichter
7/7  26 N Essex NABA - Sharon Stichter et al
7/8   5 Barr's Cobble, Sheffield - MBC trip
7/8   2 E Bridgewater - Eddie Giles
7/13  35 S Berkshire NABA - Rene Laubach et al
7/14  13 Blackstone Valley NABA - Tom Dodd et al
7/14  47 N Berkshire NABA - Tom Tyning et al
7/23  13 C Berkshire NABA - Tom Tyning et al
7/25  4 Williamstown - Pam Weatherbee
7/25  1 Sheffield - Steve Moore et al
8/3  2 Mary Cummings Park, Burlington - Lesley Stillwell &
8/13  3 Savoy - Tom Gagnon
8/17  2 Whately - Bill Benner
8/19  9 Rt 169 PL, Charboro - Bob Bowker & Lesley Stillwell
8/21  1 Easthampton - Bruce King
8/23  2 Stichter Yard, Newbury - Joe Stichter
8/25  6 MMP, Williamstown - Bo Zaremba
8/31  2 Williamsburg - Carol Duke
9/16  2 Rowley - Bo Zaremba
9/16  6 Appleton Farms, Ipswich - Matt Arey
9/23  1 Stearns CSA Farm, Framingham - Dawn Pulia
9/23  1 Northampton CG - MBC trip
10/2  1 Muddy Brook, Ware - Brian Klassanos
10/5  1 Weston Nurseries, Hopkinton - Dawn Pulia

Aphrodite Fritillary
6/15  1 Fowl Meadow WMA, Holden - Bruce deGraaf
6/20  1 Windsor Dam, Ware - Steve Moore et al
6/28  3 Royalston - Tom Gagnon et al
6/30  6 N Worcester NABA - Carl Kamp et al
7/14  4 N Berkshire NABA - Tom Tyning et al
8/13  1 Savoy - Tom Gagnon
8/30  1 Chesterfield - Tom Gagnon
8/31  20 Newbury - Matt Arey

Atlantic Fritillary
6/17  2 Windsor - Tom Gagnon
7/10  8 Berkshire County - Tom Gagnon
7/14  5 N Berkshire NABA - Tom Tyning et al
7/21  3 C Berkshire NABA - Tom Tyning et al
8/13  2 Savoy - Tom Gagnon

Silver-bordered Fritillary
5/7   6 Hubbardsmill - Wendy Howes
5/7   2 Tully Dam, Royalston - Carl Kamp
5/12  10 Sheffield, Matt Arey
5/16  1 S-C TTOR, N Andover - Russ Hopping
5/18  20 Appleton Farms, Ipswich - Howard Hoople
5/26  2 Morris Reservation, Newbury - Sharon Stichter
5/27  6 Rough Meadows WS, Rowley - Sharon Stichter
5/31  20 Appleton Farms, Ipswich - Howard Hoople
6/30  1 Tidmarsh Farms, Plymouth - MBC trip
7/6  3 Bullys TTOR, Ashfield - MBC trip
7/7  8 C Berkshire NABA - Mark Fairbrother et al
7/7   4 N Essex NABA - Sharon Stichter et al
7/10  4 Bay Farm, Duxbury - Bob Bowker & Lesley Stillwell
Red-spotted Admiral
5/25 1 Montague - Mark Fairbrother
5/31 2 North Adams, Mt. Greylock State Res. - Greg Dysart
6/2 1 Appleton Farms, Ipswich - Howard Hoople
6/17 1 GTFW, Framingham - Greg Dysart
7/14 10 Concord NABA - Dick Walton et al
7/18 1 North Adams, Mt. Greylock State Res. - Frank Model
7/25 7 Sheffield - Steve Moore et al

White Admiral
6/10 3 Winchendon - Carl Kamp
6/17 4 Windsor - Tom Gagnon
6/1 2 North Adams, Mt. Greylock State Res. - Frank Model
6/9 1 Savoy - Tom Gagnon
8/20 1 Muddy Brook, Ware - Brian Klassanos
8/29 1 Amherst - Joshua Rose
6/10 3 Winchendon - Carl Kamp
6/12 3 CST, Northborough - Steve Moore
6/17 1 North Adams, Mt. Greylock State Res. - Greg Dysart
6/9 1 Appleton Farms, Ipswich - Howard Hoople
7/2 1 Northbridge - Bob Bowker & Lesley Stilwell

Edy Brown
5/19 2 N Andover - Howard Hoople
7/7 11 N Essex NABA - Sharon Stichter et al
7/12 2 Berkshire County - Tom Gagnon et al
7/14 7 Blackstone Valley NABA - Tom Dodd et al
7/30 1 FS WMA, Longmeadow - Steve Moore & Barbara Volkle

Appalachian Brown
6/12 3 CST, Northborough - Steve Moore
6/16 2 Sherborn PL - Bob Bowker
5/31 2 Norcross Wildlife Sanctuary, Wales - Elise Barry et al
7/3 2 Florence - Tom Gagnon et al
7/11 17 S Berkshire NABA - Rene Laubach et al
7/14 7 Blackstone Valley NABA - Tom Dodd et al
7/21 14 C Berkshire NABA - Tom Tyming et al
7/22 8 MV NABA - Matt Pelikan et al
8/13 4 Franklin - Eric LoPresti
8/25 1 FS WMA, Longmeadow - MBC trip

Little Wood-Satyr
5/12 3 World's End, Hingham - Bob Bowker & Lesley Stillwell
5/14 1 MMP, Williamstown - Bo Zaremba
5/17 21 Hoft Farm, W Tisbury - Matt Pelikan
5/17 1 Marston Mills Airport - Joe Dwellly
5/20 35 Tower Hill, Boylston - Wendy Miller
5/20 25 HPM, Woburn - Howard Hoople
5/24 12 Little River Nature Trail, NP - Sharon Stichter et al
5/27 70 Lamson Rd, Foxborough - Madeline Champagne
5/27 200 Highland Farm, Belmont - Mark Rainey
5/28 50 Little River Nature Trail, NP - Bo Zaremba
6/1 31 Lamson Rd, Foxborough - Madeline Champagne
6/10 25 Winchendon - Carl Kamp
6/22 24 World's End, Hingham - Bob Bowker & Lesley Stillwell
6/23 14 E Longmeadow - Karen Parker
6/28 41 Norcross Wildlife Sanctuary, Wales - Elise Barry et al
6/29 16 Graves Farm, Williamstown - Bill Benner
7/2 16 Aldrich Rec. Area, Northbridge - Bob Bowker & Lesley
7/5 11 E Longmeadow - Karen Parker
7/6 22 Sandwich Old Game Farm - Joe Dwellly
7/7 12 N Essex NABA - Sharon Stichter et al
7/8 7 Tans NABA - Tor Hansen et al
8/4 8 Barr's Cobble, Sheffield - Lesley Stillwell
8/26 4 Ware - Brian Klassanos
9/6 3 Duxbury Park, Northboro - Dorene Price
9/16 1 Squirrelbrotch, Chilmark - Allan Keith
9/25 1 Muddy Brook, Ware - Brian Klassanos
9/25 1 Squirrelbrotch, Chilmark - Allan Keith
9/25 105 Northampton CG - Tom Gagnon
10/6 1 Newbury - Matt Arey

Hackberry Emperor
7/13 1 S Berkshire NABA - Rene Laubach et al
7/30 1 Sheffield - Garry Kessler
8/25 6 Forest Park, Springfield - MBC trip

Tawny Emperor
7/8 2 Barr's Cobble, Sheffield - MBC trip
7/3 S Berkshire NABA - Rene Laubach et al
7/6 2 Northampton CG - Tom Gagnon
7/22 10 Northampton NABA - Mark Fairbrother et al
7/25 5 Sheffield - Steve Moore et al
8/2 3 Northampton CG - Tom Gagnon
8/7 1 Northampton CG - Tom Gagnon

Northern Pearly-Eye
6/26 1 Norcross Wildlife Sanctuary, Wales - Elise Barry et al
6/29 1 Graves Farm, Williamstown - Bill Benner
6/30 8 N Worcester NABA - Carl Kamp et al
7/8 1 Barr's Cobble, Sheffield - MBC trip
7/10 10 S Berkshire NABA - Rene Laubach et al
7/14 10 N Berkshire NABA - Tom Tyming et al

Black-eyed Sulphur
5/18 11 N Andover - Howard Hoople
7/7 11 N Essex NABA - Sharon Stichter et al
7/12 2 Berkshire County - Tom Gagnon et al
7/14 7 Blackstone Valley NABA - Tom Dodd et al
7/30 1 FS WMA, Longmeadow - Steve Moore & Barbara Volkle

Common Ringlet
5/20 35 Tower Hill, Boylston - Wendy Miller
7/9 400 Moore SP, Paxton - Elise Barry
5/29 5 North Adams, Mt. Greylock State Res. - Tom Gagnon
5/31 30 Appleton Farms, Ipswich - Howard Hoople
6/3 7 North Adams, Mt. Greylock State Res. - MBC trip
6/20 20 Muddy Brook, Ware - Brian Klassanos
6/21 400 Moore SP, Paxton - Elise Barry
6/18 15 Winchendon - Carl Kamp

Little Blue
6/15 25 Lamson Rd, Foxborough - Madeline Champagne
6/29 1 Graves Farm, Williamstown - Bill Benner

Spicebush Swallowtail
5/31 30 Appleton Farms, Ipswich - Howard Hoople
6/3 7 North Adams, Mt. Greylock State Res. - MBC trip
6/20 20 Muddy Brook, Ware - Brian Klassanos
6/31 500 Moore SP, Paxton - Elise Barry
<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Observers</th>
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<tbody>
<tr>
<td>5/20</td>
<td>Crane WMA, Falmouth - Joe Dwelly</td>
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<td>6/1</td>
<td>Dauphinais Park, Grafton - Steve Moore</td>
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<td>MBWMA, Newbury - Joe &amp; Sharon Stichter</td>
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<td>6/17</td>
<td>Princeton - Garry Kessler</td>
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<td>N Worcester NABA - Carl Kamp et al</td>
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<td>HPW, Woburn - Matt Arey</td>
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<td>1 Dauphinais Park, Grafton - Mark Fairbrother et al</td>
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<td>5/6</td>
<td>1 Sherborn PL - Bob Bowker &amp; Lesley Stillwell</td>
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<td>1 World's End, Hingham - Bob Bowker &amp; Lesley Stillwell</td>
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<td>5/18</td>
<td>1 Great Meadows, Lexington - Matt Pelikan</td>
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<td>1 MBWMA, Newbury - Joe &amp; Sharon Stichter</td>
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<td>1 Royalston - Mark Lynch &amp; Sheila Carroll</td>
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<td>1 BMB WS, Worcester - Steve Moore &amp; Barbara Volkle</td>
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<td>1 BMB WS, Worcester - Steve Moore &amp; Barbara Volkle</td>
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<td>1 C Franklin NABA - Mark Fairbrother et al</td>
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<td>1 E Longmeadow - Karen Parker</td>
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<td>2 Sherborn PL - Bob Bowker &amp; Lesley Stillwell</td>
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<td>2 Weir Hill Res, N Andover - Russ Hopkins</td>
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<td>4 Great Meadows, Lexington - Matt Pelikan</td>
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<td>7 MBWMA, Newbury - Joe &amp; Sharon Stichter</td>
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<td>5/27</td>
<td>1 Female Duskywing</td>
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<td>4/20</td>
<td>2 Myles Standish State For. - Steve Moore &amp; Tom</td>
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<td>4/29</td>
<td>1 Acton - Tom Wheelan</td>
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<td>3 MBWMA, Newbury - Sharon &amp; Joe Stichter</td>
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<td>7 Dauphinais Park, Grafton - Dolores Price</td>
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<td>1 Female Duskywing</td>
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<td>1 Muddy Brook, Ware - Brian Klassanos</td>
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<td>1 Muddy Brook, Ware - Brian Klassanos</td>
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<td>1 BMB WS, Worcester - Steve Moore &amp; Barbara Volkle</td>
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<td>1 Female Duskywing</td>
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<td>1 Sunderland - Ron &amp; Sue Cloutier</td>
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<td>10 Correllus State Forest, West Tisbury - Matt Pelikan</td>
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<td>2 Myles Standish State For. - Matt Arey</td>
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<td>5 Correllus State Forest, West Tisbury - Matt Pelikan</td>
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<td>20 Myles Standish State For. - Matt Arey</td>
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<td>1 Weir Hill Res, N Andover - Russ Hopkins</td>
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<td>2 Delaney WMA, Stow - Tom Murray</td>
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<td>1 Dauphinais Park, Grafton - Steve Moore</td>
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<td>5 BMB WS, Worcester - Steve Moore &amp; Barbara Volkle</td>
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<td>1 WMWS, Princeton - Carl Kamp</td>
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<td>2 MBWMA, Newbury - Joe &amp; Sharon Stichter</td>
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<td>1 Graves Farm, Williamsburg - Bill Benner</td>
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<td>1 Lamson Rd, Foxborough - Madeline Champagne</td>
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<td>3 Sherborn PL - Bob Bowker &amp; Lesley Stillwell</td>
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<td>1 World's End, Hingham - Bob Bowker &amp; Lesley Stillwell</td>
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<td>1 Great Meadows, Lexington - Matt Pelikan</td>
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<td>1 Chelmsford PL - Bob Bowker &amp; Lesley Stillwell</td>
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<td>1 Edgartown - Matt Pelikan</td>
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<td>1 Female Duskywing</td>
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<td>2 HPW, Woburn - Matt Arey</td>
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<td>10 Lamson Rd, Foxborough - Madeline Champagne</td>
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<td>1 Princeton - Garry Kessler</td>
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<td>3 Sherborn PL - Bob Bowker &amp; Lesley Stillwell</td>
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<td>5/22</td>
<td>19 Bristol NABA - Mark Melio et al</td>
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<td>10 Delaney WMA, Stow - Tom Murray</td>
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<td>1 BMB WS, Worcester - Steve Moore &amp; Barbara Volkle</td>
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<td>6 Concor NABA - Dick Walton et al</td>
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<td>7/21</td>
<td>18 Sherborn PL - Bob Bowker</td>
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<td>1 Northampton NABA - Mark Fairbrother et al</td>
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<td>19 Bristol NABA - Mark Melio et al</td>
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<td>14 Larkin RA, Northbridge - Bob Bowker</td>
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<td>2 - Franklin - Eric LoPresti</td>
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<td>1 Nausermeck Bay Reserve, Mattapoisett - MBC trip</td>
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<td>1 AP, Dartmouth - S. Moore, B. Volkle, W. Miller</td>
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<td>1 Hubbard Point SP, Rockport - Matt Arey</td>
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<td>2 Middles Fells, Winchester - Matt Arey</td>
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<td>4 Myles Standish State For. - Carver - Matt Arey</td>
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<td>122 Danbeck Meadows, Lexington - Bob Bowker &amp;</td>
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9/24 6 White Horse Beach, Plymouth - Mark Faherty
10/6 2 Newbury - Matt Arey
10/18 1 Dover - Bob Bowker & Lesley Stillwell

Tawny-edged Skipper
5/7 1 Dodd Residence, Upton - Tom & Cathy Dodd
5/12 1 Plymouth - Mark Faherty
5/17 1 Milford PL - Bob Bowker & Lesley Stillwell
5/17 1 E Longmeadow - Karen Parker
5/19 9 Chelmsford PL - Bob Bowker & Lesley Stillwell
5/19 1 Oak Bluffs - Matt Pelikan
5/20 10 Florence - Tom Gagnon
5/24 3 Little River Nature Trvl, NP - Sharon Stichter
5/31 2 Westborough WMA - Wendy Miller
6/9 6 Dauphinais Park, Groton - MBC trip
6/17 1 Rt 169 PL, Charlton - Bob Bowker et al
7/1 1 HPK, Woburn - MBC trip
7/10 3 Berkshire County - Tom Gagnon
7/14 12 N Berkshire NABA - Tom Tying et al
7/22 23 MV NABA - Matt Pelikan et al
7/30 1 Nanic - Greg Dysart
8/1 2 E Longmeadow - Karen Parker
8/6 9 Sudbury - Greg Dysart
8/12 2 Whately - Bill Benner
8/13 4 Franklin - Eric LoPresti
8/17 1 Bank Street bog, Harwich - Joe Dwelly
8/26 2 Ware - Brian Klasnuses
9/13 8 Dover - Bob Bowker & Lesley Stillwell
9/23 2 Northampton CG - MBC trip
10/1 1 Westborough - Steve Arena
10/5 1 AP Allens Neck, Dartmouth - Lauren Miller-Donnelly

Crossline Skipper
6/23 2 GHP, Canton - MBC trip
6/24 2 W Tisbury - Matt Pelikan
6/30 9 N Worcester NABA - Carl Kamp et al
7/2 10 HPK, Woburn - Matt Arey
7/9 9 Truro NABA - Tor Hansen et al
7/13 12 S Berkshire NABA - Rene Laubach et al
7/14 16 Blackstone Valley NABA - Tom Dodd et al
7/22 2 MV NABA - Matt Pelikan et al
8/12 1 E Longmeadow - Karen Parker

Long Dash
5/7 1 Tully Dam, Royalston - Carl Kamp
6/17 10 Mt Pleasant Airport - Joe Dwelly
5/19 4 Chelmsford PL - Bob Bowker & Lesley Stillwell
5/24 7 MPRA, W Newbury - Sharon Stichter
5/28 15 Maudslay SP, NP - Bo Zaremba
6/10 18 MBWMA, Newbury - Joe & Sharon Stichter
6/20 8 Tully Dam, Royalston - Steve Moore et al
6/30 5 N Worcester NABA - Carl Kamp et al
7/1 1 HPK, Woburn - MBC trip
7/5 3 MBWMA, Newbury - Sharon & Joe Stichter
7/13 1 S Berkshire NABA - Rene Laubach et al
7/22 1 MV NABA - Matt Pelikan et al
9/2 3 Halibur Point SP, Rockport - Matt Arey

Northern Broken-Dash
6/23 7 GHP, Canton - MBC trip
6/24 3 World's End, Hingham - Bob Bowker et al
6/26 2 Sedge Meadow, Wayland - Greg Dysart
6/28 2 Norcross Wildlife Sanctuary, Wayland - Elise Barry et al
6/29 1 Graves Farm, Williamsgburg - Bill Benner
7/5 7 MBWMA, Newbury - Sharon & Joe Stichter
7/7 63 C Franklin NABA - Mark Fairbrother et al
7/7 51 Truro NABA - Tor Hansen et al
7/10 3 E Longmeadow - Karen Parker
7/13 20 S Berkshire NABA - Rene Laubach et al
7/14 34 Falmouth NABA - Alison Robb et al
7/14 55 N Berkshire NABA - Tom Tying et al
7/21 21 Brewster NABA - Alison Robb et al
7/22 17 MV NABA - Matt Pelikan et al
7/25 3 Borden Colony, Raynham - Joe Dwelly & Randy
7/25 2 E Longmeadow - Karen Parker
8/2 3 Nasketucket Bay Reserve, Mattapoisett - Gail Howe
8/19 1 Rt 169 PL, Charlton - Bob Bowker & Lesley Stillwell
8/27 1 Sylvan Nursery, Dartmouth - Brian Cassie

Little Glassywing
6/24 1 World's End, Hingham - Bob Bowker et al
6/26 1 Sedge Meadow, Wayland - Greg Dysart
6/28 33 Norcross Wildlife Sanctuary, Wayland - Elise Barry et al
6/29 2 Graves Farm, Williamsgburg - Bill Benner
6/30 9 N Worcester NABA - Carl Kamp et al
7/2 4 Aldrich Rec. Area, Northbridge - Bob Bowker & Lesley
7/7 11 N Essex NABA - Sharon Stichter et al
7/10 4 Moore SP, Paxton - Elise Barry
7/14 12 N Berkshire NABA - Tom Tying et al
7/24 1 E Longmeadow - Karen Parker
7/24 2 Western Ave CA, Sherborn - Bob Bowker
8/4 2 Larkin RA, Northbridge - Bob Bowker
8/18 1 Springfield - Jen Prairie

Sachem
7/14 1 Oak Bluffs - Matt Pelikan
7/16 4 Oak Bluffs - Matt Pelikan
7/21 1 Brewster NABA - Alison Robb et al
7/23 2 White Horse Beach, Plymouth - Mark Faherty
7/30 1 New Bedford - Mark Mello
8/17 1 Nasketucket Bay Reserve, Mattapoisett - Brian Cassie et al
8/18 1 Plum Island, Newbury - Matt Arey
8/25 2 White Horse Beach, Plymouth - Mark Faherty
8/26 1 Cornelius State Forest, West Tisbury - Matt Pelikan
8/27 4 Sylvan Nursery, Dartmouth - Brian Cassie
8/28 1 Northampton CG - Tom Gagnon
8/29 1 Norwood - Brian Cassie
8/30 6 Eastham - Dave Norris
9/1 3 Sylvan Nursery, Westport - Greg Dysart
9/1 6 Oak Bluffs - Matt Pelikan
9/1 2 Oak Bluffs - Matt Pelikan
9/2 3 Halibur Point SP, Rockport - Matt Arey
9/3 6 Oak Bluffs - Matt Pelikan
9/5 2 Manomet, Plymouth - Kim Gogglin
9/8 8 Oak Bluffs - Matt Pelikan
9/9 1 Foxborough - Brian Cassie
9/10 5 White Horse Beach, Plymouth - Mark Faherty
9/12 2 NAC, Concord - Greg Dysart
9/12 1 Yarmouth - Joe Dwelly
9/14 16 Oak Bluffs - Matt Pelikan
9/15 2 Wellfleet Bay Ws, Wellfleet - Mark Faherty
9/16 2 Marion - Rob Sawyer
9/16 5 Eastham - Dave Norris
9/17 25 White Horse Beach, Plymouth - Mark Faherty
9/20 1 Westborough - Steve Arena
9/22 1 Wayland - MBC trip
9/24 2 Provincetown - Dave Norris
9/24 34 White Horse Beach, Plymouth - Mark Faherty
10/3 1 W Bridgewater - Don Adams
10/5 10 Westport - Lauren Miller-Donnelly
10/15 18 Sylvan Nursery, Dartmouth - Frank Model
10/6 1 Newbury - Matt Arey
10/6 2 Sylvan Nursery, Dartmouth - Lauren Miller-Donnelly
10/6 6 Orleans - Dave Norris
10/6 5 Oak Bluffs - Matt Pelikan
10/11 3 AP, Dartmouth - Ron Hamburger

Delaware Skipper
6/20 1 Milford PL - Bob Bowker
6/28 2 Norcross Wildlife Sanctuary, Wayland - Elise Barry et al
6/30 9 N Worcester NABA - Carl Kamp et al
6/30 2 Eel River Headwaters Reserve, Plymouth - MBC trip
7/1 1 Northampton - Joshua Rose
7/2 16 Aldrich Rec. Area, Northbridge - Bob Bowker & Lesley
7/7 10 Truro NABA - Tor Hansen et al
7/7 14 C Franklin NABA - Mark Fairbrother et al
7/8 3 Bart's Cobble, Sheffield - MBC trip
7/14 10 Falmouth NABA - Alison Robb et al
7/14 18 N Berkshire NABA - Tom Tying et al
7/14 21 Blackstone Valley NABA - Tom Dodd et al
7/21 1 C Berkshire NABA - Tom Tying et al
9/16 1 NAC, Concord - Gary Keisler

Mulberry Wing
6/28 1 Athol - Tom Gagnon et al
7/2 1 Aldrich Rec. Area, Northbridge - Bob Bowker & Lesley
Hobomok Skipper
5/6 1 E Longmeadow - Karen Parker
5/17 4 E Longmeadow - Karen Parker
5/17 1 Delaney WMA, Stow - Tom Murray
5/20 3 Montague - Mark Fairbrother
5/20 2 Barry Yard, Paxton - Elise Barry
5/24 1 Sandwich Old Game Farm - Joe Dwelly
5/27 1 Williams town - Pam Weatherbee
5/27 18 MBWM, Newbury - Sharon & Joe Stichter
5/31 1 Oak Bluffs - Matt Pelikan
6/1 1 North Adams, Mt. Greylock State Res. - Greg Dysart
6/8 1 Butler Farm, Millbury - Dolores Price & Wendy Miller
6/11 3 Dauback Meadows, Lexington - Bob Bowker & Lesley Stillwell
6/15 1 Graves Farm, Williamsburg - Bill Brenner
6/22 2 E Longmeadow - Karen Parker
6/30 6 N Worcester NABA - Carl Kamp et al
7/13 1 S Berkshire NABA - Rene Laubach et al
7/14 23 Blackstone Valley NABA - Tom Tyning et al
7/21 1 CST, Northborough - Steve Moore
7/22 1 Trout Brook Reservation, Holden - Elise Barry

Zabulon Skipper
4/28 1 E Longmeadow - Karen Parker
5/12 1 Champagne yard, Foxborough - Madeline Champagne
5/17 4 Milford PL - Bob Bowker & Lesley Stillwell
5/23 2 Champagne yard, Foxborough - Madeline Champagne
5/28 6 King Farm, Dartmouth - Lauren Miller-Donnelly
5/31 1 Raynham - Joe Dwelly & Randy Buckner
6/16 1 NRT, Ambrose - Frank Model
6/23 2 E Longmeadow - Karen Parker
7/22 1 Northampton NABA - Mark Fairbrother et al
7/22 1 Bristol NABA - Mark Mello et al
7/30 16 FS WMA, Longmeadow - Steve Moore & Barbara
7/30 1 Florence - Tom Gagnon
7/30 1 Ford Mills, Milford - Greg Dysart
8/11 12 Matt派oiset - Bo Zaremba
8/1 1 Champagne yard, Foxborough - Madeline Champagne
8/2 1 Whateley - Bill Brenner
8/4 3 Rebohob - Lauren Miller-Donnelly
8/4 15 Lackin RA, Northbridge - Bob Bowker
8/5 3 Mary Cummings Park, Burlington - Lesley Stillwell et al
8/6 6 E Longmeadow - Karen Parker
8/6 1 Sudbury - Greg Dysart
8/7 2 Ashland - Dawn Puliaco
8/8 7 Borden Colony, Raynham - Joe Dwelly
8/12 1 IJWS, Topfield - Matt Arey
8/13 1 Rock Meadow, Belmont - Jason Forbes
8/13 2 Franklin - Eric LoPresti
8/13 4 Naskeucket Bay Reserve, Mattapoisett - Wendy Miller
8/14 1 Timmard Fras, Plymouth - Mark Faherty
8/14 1 Sherborn PL - Greg Dysart
8/16 6 MBWS, Sharon - Vin Zollo
8/16 6 Northampton CG - Tom Murray
8/17 3 Champagne yard, Foxborough - Madeline Champagne
8/17 1 E Bridgeater - Eddie Giles
8/19 3 Upton State Forest - Tom & Cathy Dodd
8/19 4 Westport - Mark Lynch
8/24 2 Hanson - Wayne Petersen
8/25 3 FS WMA, Longmeadow - MBC trip
8/30 2 AP, Dartmouth - S. Moore, B. Volke, W. Miller
8/31 1 Stockbridge - Brian Cassie
8/31 2 DWWS, Marshfield - David Ludow
9/1 1 Westwood - Erik Nielsen
9/13 1 Dover - Bob Bowker & Lesley Stillwell
9/16 1 Appleton Farms, Ipswich - Matt Arey
9/22 2 Wellesley - Dawn Puliaco
9/25 2 Westport - Lauren Miller-Donnelly
10/16 1 AP Field Station, Dartmouth - Lauren Miller-Donnelly

Broad-winged Skipper
7/3 1 CST, Northborough - Steve Moore
7/7 1 Truro NABA - Tor Hansen et al
7/7 2 N Essex NABA - Sharon Stichter et al
7/14 1 N Berkshire NABA - Tom Tying et al
7/14 3 Blackstone Valley NABA - Tom Dodd et al
7/21 2 Chilmark - Allan Keith
7/25 2 Sheffield - Steve Moore et al
8/13 1 Franklin - Eric LoPresti
8/19 1 Cartyhank Island - Mark Faherty
8/30 1 Sylvan Nursery, Dartmouth - S. Moore, B. Volke, W.

Dion Skipper
7/1 1 Northampton - Joshua Rose
7/2 3 Aldrich Rec. Area, Northbridge - Bob Bowker & Lesley
7/10 1 Berkshire County - Tom Gagnon
7/13 5 S Berkshire NABA - Rene Laubach et al
7/21 4 C Berkshire NABA - Tom Tying et al

Black Dash
6/24 1 E Longmeadow - Karen Parker
6/28 1 Athol - Tom Gagnon et al
7/5 5 MBWM, Newbury - Sharon & Joe Stichter
7/13 3 S Berkshire NABA - Rene Laubach et al
7/14 7 Blackstone Valley NABA - Tom Dodd et al
7/21 1 Sherborn PL - Bob Bowker
8/2 3 Wincham - Matt Arey

Two-spotted Skipper
6/25 2 S Athol - Frank Model
6/28 2 Athol - Tom Gagnon et al
7/3 2 New Salem - Tom Gagnon et al

Dun Skipper
6/30 9 N Worcester NABA - Carl Kamp et al
7/2 5 HPM, Woburn - Matt Arey
7/4 3 E Longmeadow - Karen Parker
7/6 2 Sandwich Old Game Farm - Joe Dwelly
7/7 4 Truro NABA - Tor Hansen et al
7/7 65 C Franklin NABA - Mark Fairbrother et al
7/8 24 Old Town Hill, Newbury - Bo Zaremba
7/13 151 S Berkshire NABA - Rene Laubach et al
7/14 353 S Berkshire NABA - Tom Tying et al
7/21 40 Brewster NABA - Alison Robb et al
7/21 23 Chilmark - Allan Keith
7/21 237 C Berkshire NABA - Tom Tying et al
7/22 76 MV NABA - Matt Pelikan et al
8/2 1 Whateley - Bill Brenner
8/13 2 Savoy - Tom Gagnon
8/19 1 Naskeucket Bay Reserve, Mattapoisett - Steve Moore
8/22 4 Gloucester - Rick Heil
8/27 1 Sylvan Nursery, Dartmouth - Brian Cassie

Dusted Skipper
5/13 4 Lamson Rd, Foxborough - Madeline Champagne
5/17 1 Ward Res, Andover - Russ Hopping
5/19 3 E Longmeadow - Karen Parker
5/19 9 Edgartown - Matt Pelikan
5/20 1 Sweet Alice CA, Amherst - Joshua Rose & Harvey Allen
5/20 10 Florence - Tom Gagnon
5/20 3 Bare Meadow Cons. Area, Reading - Ron Hamburg
5/24 8 Little River Nature Trail, NP - Sharon Stichter
5/25 3 Holyoke - MBC trip
5/25 1 Crowe's, Dennis - Joe Dwelly
5/27 17 Lamson Rd, Foxborough - Madeline Champagne
5/27 1 Royalston - Mark Lynch & Sheila Carroll
5/29 1 Dennis-Greenough Ponds, Yarmouth - Joe Dwelly
5/31 1 Raynham - Joe Dwelly & Randy Buckner
6/3 17 DAuphinais Park, Chilmark - Dolores Price
6/7 5 Sherborn PL - Bob Bowker
6/9 1 DAuphinais Park, Chilmark - MBC trip

Pepper and Salt Skipper
5/17 4 Quabbin, Petersham - Tom Gagnon
5/17 4 Delaney WMA, Stow - Tom Murray
5/18 1 Great Meadows, Lexington - Matt Pelikan
5/20 9 Shutesbury - Brian Cassie
5/27 1 Barry Yard, Paxton - Elise Barry
5/27 1 Peterbham - MBC trip
Maine’s Clayton’s Copper

By Steve Moore

Under the leadership of Tom Gagnon and Erik Nielsen many Massachusetts Butterfly Club members have taken the 5-hour drive to northern New Hampshire and eastern Maine for butterfly species that normally do not appear in Massachusetts. However, few have taken the 5-hour drive to central Maine just north of Bangor for the Clayton’s Copper (*Lycaena dorcas claytoni*), possibly a subspecies of the widespread Dorcas Copper (*Lycaena dorcas*).

Most of the information I have gathered for this article comes from reports by the Maine Department of Inland Fisheries and Wildlife published in 2001. I also had communication with Beth Swartz of the Department who did much of the fieldwork and prepared much
of the material for the reports. I also read Conservation Genetics of Maine’s Rare Species by researchers at the University of Maine which analyzed morphological and genetic data. I received information from Dick Hildreth sent through Brian Cassie. Rather than footnote the information I obtained from all of these sources, I will simply acknowledge here the source of the information and recommend that the reader review the reports online (just Google “Clayton’s Copper Maine”).

Clayton’s was first described as a distinct subspecies in 1940 by A. E. Brower and named for Walter J. Clayton, a field naturalist who had studied the subspecies previously. The determination that Clayton’s was a distinct subspecies was primarily based on the distance from the nominate subspecies (Lycaena dorcas dorcas), its smaller size, its darker and duller color, and its smaller and fewer dark spots (Brower 1940). It is listed as endangered by the State of Maine (1997).

Clayton’s is described in the Maine report as follows: “…a small butterfly with males measuring 24-26mm across and the females 25-28mm. The upper wing surface is mainly brown in color, with small black spots scattered throughout and a few faint, red-orange spots near the anal angle of the hindwing. Males have a distinguishing purplish iridescence over the upper surface. The underside is orange-brown, also with scattered black spots, and with light orange markings along the outer margin of the hindwing. The eggs are pale green to nearly white (personal observance, B. Swartz); and larvae are a pale green with short hairs, faint white dashes on each segment, a dark green middorsal line, and a tan head (based on description of Lycaena d. dorcas in Opler and Malikul 1992). Pupae can be green, black, brown, or even purplish (Scott 1986)…”

The reports indicate that there may be as many as 14 sites at which Clayton’s are present with 11 in Maine and 3 in New Brunswick. Many are described as difficult to access (e.g., may need a canoe) and with few individuals. One of the sites that is accessible by
foot and supports a significant number of individuals is in the Lee/Springfield, Maine area along the shores of Gott Brook.

Clayton’s uses Shrubby Cinquefoil (*Dasiphora fruticosa*) as its host plant. This plant is a transitional species that does not thrive in shade. It is not rare in central or northern Maine and occurs on the edges of calcareous wetlands until successional forest growth makes it inhospitable for the plant.

Clayton’s has one brood each year with eggs being laid singly in August under the leaves of its host plant. The leaves with the attached eggs later fall to the ground where the eggs overwinter. They have 5 instars with adults emerging in late July into August. Adults stay near the host plant and use its yellow blossoms for nectar.

On August 2, 2012, 8 members of the Massachusetts Butterfly Club—Ron and Sue Cloutier, Nan and Dave Wilson, Elise and Karl Barry, and Barbara Volkle and myself—ventured to the Springfield, Maine area to look for the Copper. We were fortunate to have excellent directions from Beth Swartz. We drove down 2 dirt roads (about 2.7 miles in all) one of which was in good shape with a few deep spots and the other was virtually impassable after a tenth of a mile. We parked where Beth suggested and walked the “main trail” for about 15 minutes before coming to the end of the path at Gott Brook. We walked back from the Brook about 50 feet to a “trail” which had some old purple tape on trees marking its location. Happily the “trail” only went a few hundred feet before it turned left and ended at Gott Brook. Ron and Sue Cloutier were leading the hike through the underbrush and when they turned left I could hear them shouting “They are here,” and they were. We counted 21 Clayton’s nectaring on the yellow blossoms of the Cinquefoil along the banks of the Brook. There were probably more but we did not venture very far up the Brook given the lateness of the day (4pm) and the return of the clouds.

Now that I know where to look I will lead a trip for all Club mem-
bers who wish to participate early this August. Check the 2013 trip schedule for details. We will also visit the front of Stephen King’s Bangor house with its wrought iron fences and gargoyles, the fabulous Orono Bog trail in Bangor, and a portion of Sunkhaze NWR. In 2012 we saw 19 butterfly species but were constantly in cloudy, cool weather, except for the 2 hours we spent with Clayton’s.

Sources:

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Submission of Articles, Illustrations, and Season Records

We encourage all members to contribute to *Massachusetts Butterflies*. Articles, illustrations, photographs, butterfly field trip reports, garden reports, and book reviews are all welcome, and should be sent to the Editor by August 30 for the Fall issue, and January 15 for the Spring issue.

Send NABA Fourth of July count results to Tom Gagnon tombwhawk@aol.com by **August 15** for inclusion in the Fall issue. Send your season sightings and records to Mark Fairbrother mark@massbutterflies.org by **December 31** for inclusion in the Spring issue. Records may now be submitted via the online checklist and reporting form, which is available for download from our website at: http://www.massbutterflies.org/club-publications.asp

Contributions

As a chapter of the North American Butterfly Association, the Massachusetts Butterfly Club is a non-profit, tax-exempt organization under section 501(c)(3) of the Internal Revenue Code. Gifts (in excess of dues) to the Massachusetts Butterfly Club are gifts to NABA, and are fully tax deductible.

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Migrating Monarchs (*Danaus plexippus*), Eastern Point, Gloucester, MA, 9/15/12, Dawn Puliafico

American Lady caterpillar (*Vanessa virginiensis*), Whately, MA, 6/1/12, Bill Benner