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Cover photo: Spring Azure (*Celastrina ladon*, *lucia* form), 4/22/15, Concord, MA, Bruce deGraaf
The Butterfliers of Massachusetts

TOM GAGNON
Vice-President West, NABA-Massachusetts Butterfly Club

When did you start watching butterflies?

As a child, I didn’t really watch butterflies, but I was always aware of the birds. I also took care of the family flower garden as a kid. I started keeping bird notes in 1960 or 1961, and I would also write down my first Mourning Cloak, and a few other butterflies, though I didn’t know most of the butterflies back then. I didn’t have all of the good field guides that we have now, but I did have the little Golden guide—I’ve still got it!
One Saturday March morning, I went to get the car out of the garage, and there was a butterfly inside a garage window. I got a fishbowl and brought the butterfly inside and called Paul Maleotis. He was a birder friend who lived in the Rockport area, who I met on the BBC trips. He had a very big butterfly collection. Well, the butterfly opened up, and I described it to him. There were only a few possibilities, so we narrowed it down from my description. It was a Compton Tortoiseshell. To this day, this is still one of my top five favorite butterflies. I still look for them in my shed every year, and have several times found one in the shed trying to get out, on a warm sunny day.

I joined the MA Butterfly Club when it first started. I was part of the first Atlas, and the club started right after the Atlas ended. My first field trip was to West Springfield, led by Bruce King from Easthampton. I saw my first Hoary Edge on that trip.

What are your top 5 butterflies? Can you tell us why?

Compton Tortoiseshell; Gray Comma, because it’s rare, and I’ve been lucky to find quite a few the past few years; Common Checkered-Skipper, because of finding the second colony of them in MA at the Northampton Community Gardens (NCG). Edna Dunbar had found the first colony at Pittsfield CG, literally in Tom Tyning’s back yard! Hickory Hairstreak is another. One year, on the 4th of July, the day before the Greenfield Count, my 2nd butterfly count ever, I was at the West Meadows behind Arcadia [Mass Audubon’s Arcadia Sanctuary]. There were 9 Hickory Hairstreaks on one clump of milkweed! I told folks at the count next day, and they said “No Way!” The day after that Mark Fairbrother came to see them and agreed they looked like Hickory. He took one that a crab spider had killed, sent it to an expert in CT, and he agreed, “Yes, Hickory Hairstreak”. It’s always been one of my favorites, because I saw it before Mark did! Then there’s also Pipevine Swallowtail, because they’re so rare, and it’s fun to see one. Red-banded Hairstreak, because of the excitement of finding the second MA record on a NABA-MBC walk at Fannie Stebbins in Longmeadow.
The following year, I had two sightings of Red-banded Hairstreak at NCG on my butterfly bushes! Dion Skippers can be pretty nice too—they’re fun. That’s more than 5, but of course, any day that you’re in the field is a good day.

Would you like to tell us something about your butterfly gardening?

It’s a lot of work! I have kept track of how many hours I’ve spent working on my 4 garden plots at the NCG, and in 2014 I spent 61 hours there, and 41 hours in 2015. But it’s absolutely worth it, to see the number of people who’ve come to see the butterflies there. We’ve put the NCG on the map as a butterfly destination. I went one day to garden there after work, and saw my first ever Massachusetts Long-tailed Skipper, missing a tail. I went back the next day after work and found another one with two tails! The butterfly log book under the bench has also been fun—I enjoy reading the sightings and the little stories that people write.

What else would you like to say about butterflies?

One of my passions now is heading for Mission, Rio Grande Valley, TX, every November, for the butterflying there. Part of that is just seeing old, good friends, like Buck and Linda Cooper from Florida, and being with good MA butterflying friends, like Steve Moore and Barbara Volkle. It’s so exciting there, because you never know what’s going to show up. This past year, I found a Yellow-tipped Flasher, which hadn’t been seen in the Valley since 2008. Buck Cooper is 86 years old, and he had told Linda that the one butterfly he really wanted to see this year was a Yellow-tipped Flasher. He was able to get there to see it, and that made me very happy. At one point, there were 29 people watching this butterfly, and it was a lifer for almost all of them. I think that any serious butterfly person should try to get to the Rio Grande Valley at least once in his or her life, to see all of the special butterflies there.
A Colony of Baltimore Checkerspots, *Euphydryas phaeton,* in West Bridgewater, MA

by Don Adams

Getting Started

The spring/Summer of 2016 will mark the 22nd year I’ve maintained a colony of the Baltimore Checkerspot butterfly here on our 3 acre property (Adams Farm), assuming presently overwintering hibernation nests of caterpillars survive and recover. The primary hostplant has been Lance-leaved Plaintain, *Plantago lanceolata,* but White Turtlehead, *Chelone glabra,* introduced at several locations here, continues to be accepted by both ovipositing females and their resulting offspring. Early groundwork for this began in 1982/83 and is fairly well discussed in my writing for the Fall 2003 *Massachusetts Butterflies* edition. By 1995, the Hockomock population of Baltimores in W. Bridgewater had changed considerably from my first encounter in 1989 but was still viable. Butterflies at the original Hockomock site were considerably reduced as was the primary hostplant there (*P. lanceolata*), however a small number of other Baltimores had discovered two adjacent pastures which also had ample *P. lanceolata.* The original site no longer had any management to control plant succession, since the dairy farmer who had used this as a free-range pasture had passed away, and the site was being overrun with invasive Russian Olive, *Elaeagnus angustifolia,* and Glossy Buckthorn, *Frangula alnus.* The two adjacent pastures supported butterflies for a season or two more, but these were harvested regularly for hay, and butterflies there eventually disappeared in spite of new infusions from my colony.

I managed to get a colony started here at Adams Farm in that year by adding a second infusion of 1-2 dozen additional post-hibernation cats, from the Hockomock population original site (which had totally overrun and depleted the *Plantago there*) to ones already present here, and begin management with cages for protection. The goal would be to create a condition of more stable population from year to year for continued observation and study. I managed to get
3 pairings that summer and overwinter cats from these to the next spring with cages for protection (photo, rear cover). That summer I also added *C. glabra* to Adams Farm and attempted to transplant *P. lanceolata* into my 1 acre ‘butterfly pasture’ which would be mowed once annually after Baltimore cats had abandoned their temporary hibernation nests. Butterflies oviposited on both the new *C. glabra* and established *P. lanceolata*, and cats moved from *Chelone* to *Plantago*, to save the new *Chelone*, developed normally to hibernation.

**Begin Management Development**

The problem now to be solved for the next season was how to provide the management *P. lanceolata* seemed to require in order to persist, and to raise butterflies on it at the same time. The idea I came up with then was to maintain un-mowed Plantain in ‘islands’ on which gravid females would oviposit and cats would develop to the hibernation phase. The second part of this idea was that in between these islands, I’d mow frequently enough to maintain the Plantain, and since this would leave the Plantain closely cropped, normally fussy gravid female butterflies would not oviposit there.

It didn’t take long to discover that only the first part of this idea would work somewhat. Butterflies did oviposit on Plantain in the locations I had allowed to grow. However it also became quite easy to see that females actually seemed to prefer to oviposit on Plantain in areas I had kept cut once or twice, and that I’d sacrifice a large number of egg masses without a change in plan. This consisted of checking the areas to be mowed first for egg masses, which were bright yellow in color and easy to find when freshly deposited, and harvesting these to save.

**A Big Improvement**

Of course harvesting of these egg masses now meant working out some practical scheme of re-deploying them in safe areas. All of my early ideas on this were inefficient and worked poorly. The only advantage gained was that temporary storage of eggs eliminated much of the predation of egg masses that occurs under
natural circumstances. If the Plantain leaf bit, with egg mass, being saved in food containers became dry, the eggs would spring off into space at the slightest touch and be lost, so handling to set eggs out was very difficult! It took me many seasons to work out the simple method here described to solve this problem and is based on the observation that multiple egg masses (Fig 1, p. 19), which occur naturally, seem to have the greatest success. The method is also really designed for use on *P. lanceolata* but can be adapted for *Chelone* as well.

Firstly, it’s important to note that this procedure should be performed as soon as possible after egg masses are recovered by snipping off the leaf bit with eggs. Secondly, this method will work best if the egg masses selected hatch close to the same time. Therefore, using color as a guide to the incubation period, match the color of the egg masses as closely as possible: yellow for new eggs; deep crimson for more advanced eggs. Tools that will be handy to have are a pair of small scissors and long fine tweezers from a manicure kit. Now, while the leaf bit is still fresh and supple, do the following…

1) Remove as much excess leaf as possible with scissors, but leaving about 1/4 inch of leaf at both ends of the egg mass.
2) Cut a piece of wax paper about 3-1/2 inches square which is just right for mounting three ‘normal’ egg masses. For mounting say two egg masses, I’d reduce the size to 3-1/2 x 2-1/2 inches.
3) Use tweezers to pick up leaf bits and align in a row about an inch from a side of the wax paper tending to roll up as shown in Fig 2 (p. 19).
4) Cut 4 small pieces of painters masking tape, and with tweezers set these down to hold the egg masses in place. The painters masking tape can be picked up and reset with tweezers as required to align as shown in Fig 2. Using the blunt end of the tweezers, carefully press the tape pieces down securely.
5) Now, starting at the egg mass end of the wax paper, roll this into a cylinder roughly 1/2 inch in diameter and hold in place with scotch tape at both ends as shown in Fig 3 (p. 19).
6) The cylinders can now be stored in plastic food containers and kept at normal outside temps but out of direct sunlight. These should be checked 2-3 times each day, and when the first egg mass changes color from deep red to dull grey, it’s time to deploy to hostplant.

7) Find a robust rosette of *P. lanceolata* that is also nearby to other rosettes of this hostplant. Now, holding the cylinder with egg masses ‘up’, simply slide the cylinder over a long leaf or two until the leaves have extended an inch or two out the end of the cylinder as shown in Fig 4 (p. 19). It helps here to squeeze the cylinder slightly while doing this so that the eggs do not rub on the leaves.

Now that the egg masses have been set in place as above, the cylinder should not be disturbed. The hatching caterpillars will be in close contact with hostplant and in just a day or two after an egg mass has hatched, a feeding web will extend out of one or both ends of the cylinder (Fig 5, p. 19). Also, after setting the cylinder in place, I usually cover the hostplant rosette with a 1 or 2 cubic foot cage. This will help greatly to reduce predation and other issues that can cause difficulties. Fig 6 (p. 19) shows a feeding web with advanced caterpillars close to hibernation that originated from the cylinder in the background. After the several seasons it took me to iron out bugs with this, raising success had now reached a point that enabled me to have good control over population boom/bust cycles.

**Too Many Butterflies**

By 2000, I was using ‘donations’ as a tool to reduce excess butterflies, and began sending post-hibernation cats to the Maryland Restoration Program. This continued for several seasons until Dr Wayne Whelling at USDA APHIS advised that Maryland would do best to restore *E. phaeton ozarke* not *E. phaeton phaeton*. Ozarke there had not yet switched over to *P. lanceolata*, but I did continue to support their public relations efforts by sending smaller numbers of butterflies to nature centers which would keep these on display but quarantined.
In the spring of 2001, I discovered that cats in deep hibernation during winter could survive extended periods of total submergence when a period of heavy rain on top of deep snow here left a number of my overwinter cages underwater. Overwintering cats remained this way for several days and I was sure all had been drowned, although I had read in European papers that butterflies in this genus in the UK could survive this. However, on a warm day the following spring, I was happy to discover that all affected cages had clusters of basking cats!

A Case of ‘Fatal Attraction’
In 2003, rather by accident, I was surprised to find what was clearly a Baltimore egg mass on the underside of a Butterfly Bush (Buddleja) leaf. This prompted more careful searching wherewith I was able to locate a half dozen or so more, and actually get a photo of a female during oviposition (Fig 7). At first I thought I was discovering a NEW primary host plant, but decided to wait on reporting this first to see if caterpillars would feed. So, I marked the egg mass locations and watched all carefully. The first surprise came, long before any eggs began to hatch, when the egg masses began to disappear one by one and always at night. Sometimes it would take two-three evenings for an entire egg mass to be stolen, but after a few such nights it seemed clear I could lose my ability to find whether or not cats would feed on the Butterfly Bush. To prevent this, I sleeved one remaining large egg mass with a nylon stocking. These eggs finally hatched and I was lucky to be checking the sleeve close to that moment. It was easy to see that tiny cats were spread all over both the inside of the nylon sleeve and the leaf and branch it covered. The ‘normal’ behavior for cats intending to feed would
have been to remain together and spin a small collective web from the egg mass location to the end of the leaf, and begin to feed inside this web by mining the surface of the leaf. Just the same, I re-tied the sleeve in place and left until the next day. After checking again, there was no small web or signs of feeding and I could find many small motionless cats in the sleeve making it clear that they had starved and perished. Although this scenario has repeated itself for many seasons, I’ve yet to observe an instance of Baltimore cats, either pre or post-hibernation, that will accept Butterfly Bush, and I’m still not certain what the egg mass predator is although I strongly suspect the ants that seem to scour every branch and leaf of our Butterfly Bush here.

For many seasons, I’ve had a similar result with Baltimore egg depositions on Round-leaved Plaintain, *Plantago major* (Fig 8), which newly hatched pre-hibernation cats also have yet to accept, although for years, prior to the first occurrence of this I observed, I was aware that, unlike the case with Butterfly Bush, post-hibernation cats would accept *P. major* and develop to pupation. In fact for many of these years, I can say that *P. major*, along with other ‘alternate’ host plants here such as Valerian, *Valeriana officinalis*, have saved this post-hibernation colony from starvation upon depletion of the primary host plant, and many others of these (listed by Scott, 1986) have been used here successfully as well. The transition of host plant preference, from primary only, to a much broader selection of even unrelated plants has been, in most texts, associated with recovery from overwinter hibernation and for this colony, this has been the case for the most part. Evidence here however suggests that acceptance of alternates by post-hibernation
cats is greatly facilitated if they first have access to available new shoots of primary host plant for some time.

**New Pre-Hibernation Behavior**

In 2013 however, I was able to observe an instance involving a very large cluster of pre-hibernation caterpillars that had fed to an advanced state entirely on the primary host plant *P. lanceolata* and depleted all that was available in sight. After trekking a considerable distance, the cluster came upon a large rosette of *P. major* and devoured this within 20 minutes (Fig. 9)! This fascinating behavior raises intriguing questions about precisely when/what induces Baltimore cat feeding preferences to transition from primary host plant only to the much broader acceptance of primary plus a lengthy list of known alternates. Additionally this behavior contributes to my belief that this transition, usually associated with recovery from overwinter hibernation, is enhanced if cats are able to feed initially on new shoots of the primary host plant. Also in the 2013 season, for the first time, an egg deposition on Pink Turtlehead, *Chelone lyonii*, developed into a successful feeding nest of cats, a ‘sort-of-new’ primary host plant for this colony at least. As with *P. major*, for many seasons prior to this, I had observed that post-hibernation cats would also accept *lyonii* as an alternate.

**The ‘Starvation Scenario’**

By 2014, the improvements I had made with raising details left me with a very large number of post-hibernation caterpillars, and early on I was able to see some trouble was coming. Cats were wiping out everything edible in sight and not very close to pupation. I realized I may have now placed this colony on the edge of, what I had read in European literature to be, the ‘starvation scenario’. I now know the ‘starvation scenario’ that happens in nature has two
phases. The first one is when post-hibernation cats are too numerous, totally overwhelm the primary food plant \((P. lanceolata)\), and only some are able to locate alternates and survive, resulting in huge mortality. The second phase happens when gravid females from the surviving population are on the wing but primary host plant has not recovered enough to be egg-worthy. This is exacerbated by dry weather that retards re-development of the host plants, which was the case that summer. The result of this can be almost total elimination of any new survivable pre-hibernation cats. In these seasons, there seems to me to be a greater number of ‘multiple egg masses’ (Fig 1 p. 19), and ‘desperation depositions’ on *Buddleja* and *P. major* which new cats won’t accept. Alternate host plants, which helped get some butterflies through the first phase, are no help now for the same reason.

That season I resorted to some somewhat extreme measures to do what I could to salvage the situation. For example, I’ve long been aware that various species of Ash (*Fraxinus*) (listed by Scott, 1986), including ones I have here, are accepted by post-hibernation cats. The problem, though, is how to get cats at ground level to find the nearby Ash trees. I solved this by manually gathering up hundreds of the most advanced cats and setting them out in three large sleeves over robust Ash branches at ladder height. This worked, as cats accepted the food handout, and most pupated in the sleeves attached both to branches and the sleeve itself. The outcome of this saved hundreds of butterflies.

Additionally, I was able to secure a good number of egg masses by setting out potted-up *Chelone* plants from a local nursery. More help was also provided by a new area of Plantain that came up in our vegetable garden which was too far removed from the area of post-hibernation cats for them to find. However many new gravid Baltimore females that had survived the first phase were able to find this spot and deposit egg masses which I then protected with cages. Most of my hibernation nests saved for 2015 came from this 20 x 20 ft area, and one of these is shown in Fig. 10 (p. 12).
Temporary Hibernation Webs

At close to 3rd instar, cats cease feeding, spin up the denser cocoon-like temporary hibernation web, and enter a state of diapause even though there remains sufficient time to continue development to the pupal phase to overwinter. Typically I harvest these webs and move to a suitable location for the next year. These webs are almost always extensions of the feeding webs, but cats use any plant or other materials available nearby. When I employ cages over feeding webs for protection, cats frequently construct the hibernation web in a corner of the cage. Cats remain in this web until late summer-early fall, then abandon this for cover deep in the duff layer. At this point, it should be safe to mow the area involved without harming the cats, however I’d still avoid the use of vacuuming-type mowers.

For the 2015 season I had recovered a sufficient number of post-hibernation cats to keep the colony going and also make modest donations to the New England Wildflower Society’s Garden-In-The-Woods, and to an on-going research program at the University of Colorado. Gravid female butterflies oviposited on both P. lanceolata and the C. glabra plants I had started in 2014, and both provided me with a number of temporary hibernation webs. These have all been moved and caged over rosettes of Plantain and will remain this way until spring 2016.

2015 Season Summary and Records
Mark Fairbrother

The long cold winter of 2014-2015 may well have taken a toll on our butterflies this past year. Species such as Giant Swallowtails, Painted Lady and Sachem had sharply reduced numbers, while Gray Comma and Bog Copper did well. There were no major flights into or through the state in 2015, as compared to recent years. Monarch numbers were again low even in the fall. There was no real late summer push by species such as Little Yellow, Fiery and Ocola Skipper.

About 6,000 records were received for the 2015 season, a significant decrease from the past couple years. Thank-you to the many observers submitting records either directly to me or posting their sightings on the MassLep butterfly listserve. For the sake of a compiler’s sanity I would like to request assistance from submitters. Records, sometimes in bulk, were received from various reporters into December. Sooner would be better, especially if you’d like them included in the summary. Also, if you post sightings on-line during the season and then send in a group of records post-season, it would be very helpful to indicate which records, if any, were posted earlier and which were not. 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, generally in that order. Following the NABA checklist, the number of species reported for 2015 was 114.

SWALLOWTAILS

Giant Swallowtail may have succumbed to the hard winter. The species was reported widely but there were only nine records submitted with a high count of 3. Only one adult Pipevine Swallowtail was reported (Sheffield). Black, Eastern Tiger, Canadian, and Spicebush Swallowtail were again reported in about normal
numbers. Appalachian Swallowtail was reported from Newbury and Sheffield.

**WHITES AND SULPHURS**

Mustard White was again reported (3) from locations in the Hoosatonic watershed, while West Virginia White was reported from the CRV west into Berkshire County throughout May. Cabbage White got through the winter with healthy populations throughout the state and season, in case you were worried about them. Clouded and Orange Sulphur reports were about average, with Cloudless Sulphur reported from the south coast in September. Little Yellows were absent in 2015.

**GOSSAMER-WINGS**

Harvester reports were actually well balanced between eastern and western Mass. in 2015, with several sightings in Berkshire County and the CRV in addition to its stronghold in the Mystic Lakes area.

American Copper reports were about average. Bog Copper turned up in Worcester County, the Cape and Islands. Standing (and sinking) in a quaking bog watching hundreds dancing together low over cranberry and sphagnum moss in a very small space was easily the highlight of this reporter’s season. Bronze Copper were again reported mostly from the Wayland/Concord area, with outliers in Berkshire County and Newbury. Hairstreak numbers (except Striped) were generally down in 2015. Coral Hairstreak turned up across the state, from Northern Berkshire County to the outer Cape. When I came to write this I thought Banded Hairstreak numbers were down in 2015, but the records show many reports with double-digit numbers.

Edwards Hairstreak was reported mostly east of Worcester County. Striped Hairstreak had a very good year, both in numbers and locations. Frosted Elfins of both Baptisia and lupine feeders were reported from the expected places. Bog Elfin was reported once from the Ashburnham site. Most of the dozen reports of Henry’s Elfin were east of Worcester County, while Hoary Elfin was re-
ported only from Plymouth Co., the Cape and Islands. Red-banded Hairstreak was found along the south east coast, mostly in September. Hickory Hairstreak was reported three times: once in the northeast, once in the northwest, and once sort of in the middle.

Only five reports of White M Hairstreak were received, with four from Mattapoisett. Hessel’s Hairstreak was only reported from Canton, while Juniper Hairstreak was also found mostly in Woburn, Hingham, and Holyoke. Gray Hairstreaks were reported from early May into mid-October. Early Hairstreak was reported once from the Mt. Greylock area at the end of late May. Spring Azure began cheering people up in mid-April and continued well into June, with generally higher numbers in the eastern half of the state, while Summer Azure flew mostly from early June into early October. Six reports were received of Cherry Gall Azure ranging from Berkshire County to Falmouth and MV. Silvery Blue reports were again low, and most reports were from Worcester County.

**BRUSHFOOTED BUTTERLIES**

Variegated Fritillary had nine reports in 2015, half in Falmouth and the others scattered from Northampton through Royalston to Nahant, from early July into October. Great Spangled Fritillary had a great year, flying from mid-June through mid-October. Aphrodite Fritillary reports were about normal, with sightings from Worcester County west, especially the Berkshires. Atlantis Fritillary numbers continue to be very low and limited to the high Berkshires. The days appear to be gone when Tom Gagnon and I drove down a dirt road in Pittsfield, each leaning out a side window and calling numbers back and forth and ending up with several hundred.

Meadow Fritillary was reported from the CRV west, except for one individual which apparently didn’t get the memo and ended up in Westport. Silver-bordered Fritillary was well reported and often in good numbers. Only six reports of Harris’ Checkerspot were received, with most from Broad Meadow Brook, while Baltimore Checkerspot was again under-reported, considering how widespread the species is known to be. Question Mark reports
were again rather low, but from many locations and from mid-April to November 1. Eastern Comma was well reported across most of the state, and from mid-April to November 5. Gray Comma tallied nearly a dozen reports, mostly from Berkshire County but also from Newbury and Wenham.

Mourning Cloak seems to have rescued a lot of people from a brutal winter when it began flying at the end of March, with the last being a Christmas Day individual. Exactly two Milbert’s Tortoiseshell were reported, one in Hubbardston and the other in Acton. Apparently not wanting to be outdone, exactly two Compton Tortoiseshell were reported, one from North Adams and one from Sharon. American Ladies were widespread in generally low numbers throughout the season, from early April until December 12! Painted Lady reports were few, and most were of 1’s and 2’s.

Viceroy was reported widely in small numbers from late May into October. Hackberry was reported only once, from Sheffield where two of the three Tawny Emperor reports were from; Northampton had the other. No. Pearly-eye was reported from numerous Worcester Co. sites, with additional reports scattered across the Berkshires. Eyed Brown reports were low and scattered from Worcester Co. westward. This is a species which, even more so than Appalachian, does nothing to help you find it. Appalachian Brown reports were about average, flying from early June into early September. Little Wood-Satyr, Com. Ringlet and Com. Wood-Nymph numbers and reports were about as would be expected. Monarch numbers were somewhat improved but still below what we had been used to. Only the Dartmouth area in September and October could muster numbers to be hopeful for.

**SKIPPERS**

There was again no pronounced influx of southern species this year, although Ocola Skippers turned up in a surprisingly wide range of places, while the hard winter apparently brought the Sachem invasion of MA to a screeching halt. Grass skipper numbers were down pretty much across the board.

Only six Hoary Edge reports came in, half from Broad Meadow Brook. Three Long-tailed Skippers appeared in late
September, one in Newton and two in Dartmouth. Seven Sleepy Duskywing reports came in from the Eastern half of MA, while Horace’s Duskywing reports were all from the Eastern half of the state except for one Northampton record. The four Common Checkered Skipper reports were limited to Northampton and Pittsfield. Common Sootywing numbers were quite low. Arctic Skipper was reported six times, mostly from the Berkshires.

European Skipper reports were surprisingly few and often in single digits. Fiery Skipper was reported six times, mostly along the coast but also in Northampton and Sudbury. Only six Leonard’s Skipper reports were received, all from the eastern half of the state. This reporter made a special effort to see Leo this year, but came up empty when I found all of the ‘old’ spots were grown up or man-altered. Cobweb Skipper was reported only from Martha’s Vineyard, while Indian Skipper did well in Carver, but otherwise in low numbers in a handful of locations. Zabulon Skipper numbers and reports were down sharply from the previous few years. Broad-winged Skipper reports were scattered across the state, with the highest number of sightings from the Eastern half of the state. Dion Skipper was reported from Northampton and Berkshire County. Two-spotted Skipper was found in Berkshire County in mid-July, while Pepper and Salt Skipper was reported from North Adams to Belmont. Sachem was limited to three reports, two from Dartmouth and one from Mattapoisett. Ocola Skippers appeared at least eleven different places, mostly near the coast but also as far inland as Royalston and Northampton.

**Abbreviations**: AP-Allen’s Pond; BFD-Barre Falls Dam; BMB-Broad Meadow Brook, CG-Community Gardens; CRP-Charles River Peninsula; CRV-Connecticut River Valley; CST-Crane Swamp Trail; EQLT-East Quabbin Land Trust; F&G-Fish & Game; FPB-Fort Pond Brook; FS-Fannie Stebbins Wildlife Sanctuary; GBH-Great Blue Hill; GM-Great Meadows NWR; GITW-Garden in the Woods; HPM-Horn Pond Mountain; IBA-Important Bird Area; IRP-Ipswich River Park; IRWS-Ipswich River Wildlife Sanctuary; LA-Larz Anderson Park; LPWS-Long Pasture Wildlife Sanctuary; MAS-Mass Audubon Sanctuary; MCRT-Massachusetts Central Rail Trail; MBWMA-Martin Burns WMA; MHF-Moose Hill Farm; ML-Mystic Lakes; MMP-Mountain Meadow Preserve; MPRA-Mill Pond Recreational Area; MSSF-Myles Standish State Forest; MV-Martha’s Vineyard; NABA 4JC-North American Butterfly Association 4th of July Count; NAC-Nine Acre Corner; NCG-Northampton Community Gardens; NCM-North Common Meadows TTOR; NP-Newburyport; NRT-Norwottuck Rail Trail; NWR-National Wildlife Refuge; PL-Power Line; PRNWR-Parker River NWR; Res.-Reservoir or Reservation; RM-Rumney Marsh; S-C - Stevens-Coolidge TTOR; SF-State Forest; SP-State Park; TTOR-The Trustees of Reservations; WMA-Wildlife Management Area; WMWS-Wachusett Meadow Wildlife Sanctuary; WRR-Waskosim Rock Res.
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**Canadian Tiger Swallowtail**

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**‘Appalachian’ Tiger Swallowtail**

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**Spicebush Swallowtail**

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<td>Mount Washington - Mark Lynch &amp; Sheila Carroll</td>
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<td>5/3</td>
<td>5</td>
<td>Holliston - Richard Hildreth</td>
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<td>5/5</td>
<td>2</td>
<td>Leicester - Mark Rowden</td>
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<td>5/6</td>
<td>11</td>
<td>Springfield - Karen Parker</td>
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<td>5/9</td>
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<td>Chicopee - Karen Parker</td>
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<td>5/10</td>
<td>12</td>
<td>Uxbridge - Dawn Puliafico</td>
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<td>5/12</td>
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<td>Robinson Sp, Agawam - Moe O'Connor</td>
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<td>5/13</td>
<td>6</td>
<td>Delaney WMA, Stow - Steve Moore</td>
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<td>5/14</td>
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<td>Wellfleet Bay Ws, Wellfleet - Mark Faherty</td>
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<td>5/16</td>
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<td>Beech Forest, Provincetown - Fred Bouchard</td>
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<td>5/17</td>
<td>3</td>
<td>West Whatley - Bill Benner</td>
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<td>5/17</td>
<td>10</td>
<td>W Bridgewater - Don Adams</td>
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<td>5/21</td>
<td>15</td>
<td>Boston Nature Center - Lucy Merrills-Hills</td>
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<td>5/21</td>
<td>2</td>
<td>Little River Nature Trail, NP - Bo Zaremba</td>
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<td>5/22</td>
<td>5</td>
<td>Holliston - Richard Hildreth</td>
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<td>5/24</td>
<td>1</td>
<td>Correllus State Forest, West Tisbury - Matt Pelikan</td>
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<td>5/27</td>
<td>10</td>
<td>World's End, Hingham - Greg Dysart</td>
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<td>Cherry Hill Res, W Newbury - Bo Zaremba</td>
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<td>6/5</td>
<td>12</td>
<td>Hatfield - Bruce King</td>
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<td>Fowl Meadows, Milton - Paul Peterson</td>
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<td>6/11</td>
<td>1</td>
<td>Hopkin's Forest, Williamstown - Steve Moore &amp; Barbara Volkle</td>
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<td>6/14</td>
<td>10</td>
<td>BMB WS, Worcester - Bill &amp; Nancy Callahan</td>
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<td>6/19</td>
<td>10</td>
<td>Lincoln - Paul Peterson</td>
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<td>6/21</td>
<td>5</td>
<td>Holliston - Richard Hildreth</td>
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<tr>
<td>6/22</td>
<td>233</td>
<td>Northfield - Mark Lynch &amp; Sheila Carroll</td>
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<tr>
<td>6/23</td>
<td>4</td>
<td>Springfield - Karen Parker</td>
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<tr>
<td>6/24</td>
<td>68</td>
<td>Wachusett Res, Boylston - Mark Lynch &amp; Sheila Carroll</td>
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<td>6/27</td>
<td>24</td>
<td>Amherst - Moe O'Connor</td>
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<td>7/1</td>
<td>100</td>
<td>DCR Kristoff Farm, Sterling - Wendy Howes</td>
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<td>7/2</td>
<td>25</td>
<td>Thompson Fields, Harwich - Joe Dwelly</td>
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<td>3</td>
<td>Tisbury Meadow - Matt Pelikan</td>
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<td>7/24</td>
<td>20</td>
<td>Huntington - Mark Lynch &amp; Sheila Carroll</td>
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<td>Borden Colony, Raynham - Joe Dwelly</td>
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<td>Ipswich, New England Biolabs - Jim Berry</td>
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<td>Windsor - Gagnon, Moore, Volkle</td>
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<td>250</td>
<td>Worthington - Gagnon, Moore, Volkle</td>
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<td>7/11</td>
<td>33</td>
<td>Sandisfield - Mark Lynch &amp; Sheila Carroll</td>
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<td>7/11</td>
<td>68</td>
<td>Williamstown - Terri Armata</td>
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<td>7/11</td>
<td>18</td>
<td>Truro - Faherty, Dwelly, Barry</td>
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<td>Belle Isle Marsh, Boston - Paul Peterson</td>
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<td>1</td>
<td>Athol - Dave Small</td>
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<td>20</td>
<td>Tower Hill, Boylston - Wendy Miller</td>
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<td><strong>Clouded Sulphur</strong></td>
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<td>Hafeield - Bill Benner</td>
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<td>HPM, Woburn - Matt Arey</td>
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<td>Holliston - Richard Hildreth</td>
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<td>Williamstown - Terri Armata</td>
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<td>7/12</td>
<td>8</td>
<td>Sudbury - Moore, Kessler, Reid</td>
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<td>7/16</td>
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<td>Tower Hill, Boylston - Wendy Miller</td>
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<td>7/19</td>
<td>389</td>
<td>Northampton NABA - Mark Fairbrother et al.</td>
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<td>7/23</td>
<td>18</td>
<td>Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly</td>
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<td>7/25</td>
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<td>Colrain - Mark Lynch &amp; Sheila Carroll</td>
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<td>7/25</td>
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<td>Eastham - Joe Dwelly et al.</td>
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<td>7/31</td>
<td>5</td>
<td>Breakneck Hill Conservation Land, Southborough - Dawn Puliafico</td>
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<td>8/3</td>
<td>5</td>
<td>Sandisfield - Mark Lynch &amp; Sheila Carroll</td>
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<td>9</td>
<td>NCM, Petersham - Wendy Howes &amp; Alan Rawle</td>
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<td>8/14</td>
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<td>LPWS, Barnstable - Joe Dwelly</td>
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<td>Sandisfield - Mark Lynch &amp; Sheila Carroll</td>
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<td>8/29</td>
<td>26</td>
<td>Tyringham - Mark Lynch &amp; Sheila Carroll</td>
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<td>Moore SP, Paxton - Elise &amp; Karl Barry</td>
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<td>Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly</td>
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<td>18</td>
<td>Williamstown - Bo Zaremba</td>
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</tbody>
</table>
7/2 1 Berkshire County - Ron & Sue Cloutier
7/5 6 Mashpee - Erik Nielsen, Peter Trumble
7/10 27 Pittsfield - Gagnon, Moore, Volkle
7/18 47 Pittsfield - Tom Gagnon, Harvey Allen

**Edwards' Hairstreak**
6/20 1 HPM, Woburn - Mark Rainey
6/22 4 E Longmeadow - Karen Parker
6/27 5 HPM, Woburn - MBC trip
6/30 6 W Tisbury - Matt Pelikan
7/2 3 Thompson Fields, Harwich - Joe Dwelly
7/3 20 GBH, Canton - Michael Newton
7/5 149 Mashpee - Erik Nielsen, Peter Trumble
7/11 12 Truro - Faherty, Dwelly, Barry
7/18 7 Falmouth NABA - Alison Robb, et al.
7/23 1 E Longmeadow - Karen Parker
7/25 5 Harwich - Joe Dwelly et al.
8/2 1 Drumlin Farm, Lincoln - Dawn Puliafico

**Banded Hairstreak**
6/13 1 Ashland - Michael Newton
6/13 2 Northampton CG - Bill Callahan
6/18 1 CST, Northborough - Steve Moore
6/19 1 E Longmeadow - Karen Parker
6/20 1 Crane WMA, Falmouth - MBC trip
6/22 3 Leicester - Mark Rowden
6/22 1 Gill - Mark Lynch & Sheila Carroll
6/25 5 E Longmeadow - Karen Parker
6/27 20 HPM, Woburn - MBC trip
6/30 2 Willow Farm, Ware - Wendy Howes
7/2 12 Texeira Cons. Area, Harwich - Joe Dwelly
7/3 18 MBWMA, Newbury - Jim Berry
7/3 17 MBWMA, Newbury - Marjorie Watson
7/5 20 Sherborn - Michael Newton
7/5 15 Sharon - Madeline champagne
7/8 29 Pine Tree Nursery, Chatham - Mark Faherty
7/9 4 Florence - Tom Gagnon & Betsy Higgins
7/9 3 Moore SP, Paxton - Elise Barry, Beth Herr
7/11 54 Williamstown - Terri Armata
7/11 1 Truro - Faherty, Dwelly, Barry
7/15 1 Williamsburg Flower Hill Farm - Carol Duke
7/23 1 Holliston - Richard Hildreth
7/25 1 Eastham - Joe Dwelly et al.
7/28 1 E Longmeadow - Karen Parker
8/7 2 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
8/13 1 Leicester - Mark Rowden

**Hickory Hairstreak**
7/3 1 MBWMA, Newbury - Marjorie Watson
7/6 12 W Newbury - Bruce de Graaf
7/11 6 Williamstown - Terri Armata
7/19 1 Northampton NABA - Mark Fairbrother et al.

**Striped Hairstreak**
6/20 1 HPM, Woburn - Mark Rainey
6/27 20 HPM, Woburn - MBC trip
6/30 3 Willow Farm, Ware - Wendy Howes
7/2 1 Champion yard, Foxborough - Madeline Champagne
7/3 2 GBH, Canton - Michael Newton
7/3 1 MBWMA, Newbury - Jim Berry
7/5 5 S Berkshire NABA - Rene Laubach et al.
7/5 2 Mashpee - Erik Nielsen, Peter Trumble
7/5 3 N Worcester NABA - Wendy Howes et al.
7/5 15 Sharon - Madeline Champagne
7/6 7 Moore SP, Paxton - Elise Barry
7/9 1 Florence - Tom Gagnon & Betsy Higgins
7/9 3 Moore SP, Paxton - Elise Barry, Beth Herr
7/10 3 Pittsfield - Gagnon, Moore, Volkle
7/11 5 Concord NABA - Dick Walton et al.
7/11 8 North Adams, Mt. Greylock State Res. - Tom Gagnon et al.
7/11 11 Blackstone Valley NABA - Tom Dodd et al.
7/11 7 Provincetown - Faherty, Dwelly, Barry
7/12 7 CST, Northborough - MBC trip
7/15 1 Athol - Dave Small
7/25 2 Wellfleet - Joe Dwelly et al.
7/29 3 Ponkapaug Bog, Canton - Greg Dysart
8/7 12 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
8/9 1 Fowl Meadows, Milton - Michael Newton

**Oak Hairstreak**
7/3 3 Old County, W Tisbury - Matt Pelikan
7/3 2 Peak Hill, Chilmark - Matt Pelikan
7/3 1 Tisbury Meadow - Matt Pelikan
7/5 1 Brewster Public Gardens, Brewster - Joe Dwelly
7/5 12 Harwich - Mark Faherty
7/17 2 Harwich - Mark Faherty

**Brown Elfin**
4/26 6 Correllus State Forest, West Tisbury - Matt Pelikan
5/2 4 Winchendon - Mark Lynch & Sheila Carroll
5/3 24 MSSF, Plymouth - Steve Moore & Barbara Volkle
5/4 29 Montague Plains - Tom Gagnon & Betsy Higgins
5/7 1 Weir Hill Res, N Andover - Howard Hopeole
5/8 27 Correllus State Forest, West Tisbury - Matt Pelikan
5/10 6 Thompson Fields, Harwich - Joe Dwelly
5/11 18 Pilgrim Heights, Truro - Joe Dwelly
5/14 1 Holden - Elise & Karl Barry
5/17 60 MSSF, Plymouth - MBC trip
5/24 9 Correllus State Forest, West Tisbury - Matt Pelikan
5/30 1 Myles Standish State For. Carver - Joe Dwelly
6/3 1 Winchendon - Mark Lynch & Sheila Carroll

**Hoary Elfin**
4/26 6 Correllus State Forest, West Tisbury - Matt Pelikan
4/26 1 Edgartown - Matt Pelikan
5/3 18 MSSF, Plymouth - Steve Moore & Barbara Volkle
5/10 4 Thompson Fields, Harwich - Joe Dwelly
5/14 7 Wellfleet Bay Wa, Wellfleet - Mark Faherty
5/17 30 MSSF, Plymouth - MBC trip
5/31 3 Myles Standish State For. Carver - Matt Arey

**Frosted Elfin**
5/4 1 Lamson Rd, Foxborough - Madeline Champagne
5/8 1 Weir Hill Res, N Andover - Howard Hopeole
5/10 3 HPM, Woburn - Howard Hopeole, Michael Newton
5/14 24 Lamson Rd, Foxborough - Madeline Champagne
5/15 9 Florence - Tom Gagnon
5/17 22 Fitzgeral Lake, Florence - Tom Gagnon et al.
5/21 41 Lamson Rd, Foxborough - Madeline Champagne
5/31 10 Myles Standish State For. Carver - Matt Arey
6/10 2 Crane WMA, Falmouth - Joe Dwelly
6/12 4 Lamson Rd, Foxborough - Madeline Champagne
6/20 1 Crane WMA, Falmouth - MBC trip

**Henry's Elfin**
5/2 6 Crane Beach, Ipswich - Jim Berry
5/2 1 Winchendon - Mark Lynch & Sheila Carroll
5/3 1 Natick - Michael Newton
5/3 17 Fowl Meadows, Milton - Garry Kessler et al.
5/4 2 Oxbo NWR, Harvard - Mark Lynch & Sheila Carroll
5/10 2 Bridge Rd, W Newbury - Marjorie Watson
5/12 4 Natick - Michael Newkirk
5/15 1 World's End, Hingham - MBC trip
5/17 4 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly
5/24 2 Ashburnham - Mark Rainey

**Bog Elfin**
5/24 2 Ashburnham - Mark Rainey

**Eastern Pine Elfin**
4/12 1 Headwaters Cons. Area, Westborough - Garry Kessler
4/26 1 Correllus State Forest, West Tisbury - Matt Pelikan
5/2 1 Holliston - Richard Hildreth
5/3 2 Great Barrington, Myrin Preserve - Mark Lynch & Sheila Carroll
5/4 3 MSSF, Plymouth - Steve Moore & Barbara Volkle
5/3 12 Rocky Narrows, Sherborn - Michael Newton
5/4 2 Lamson Rd, Foxborough - Madeline Champagne
5/4 36 Montague Plains - Tom Gagnon & Betsy Higgins
5/4 52 GBH, Canton - Lauren Griffith
5/5 4 Longmeadow - Karen Parker
5/6 10 Willowdale SF, Ipswich - Jim Berry
5/6 11 Tower Hill, Boylston - Dawn Puliafico
5/8 1 Maynard - Greg Dysart
5/9 22 Ware River Watershed, Barre - Mark Lynch & Sheila Carroll
5/10 1 Thompson Fields, Harwich - Joe Dwelly
5/10 1 Uxbridge - Dawn Puliafico

22
5/14 17 Lamson Rd, Foxborough - Madeline Champagne
5/18 8 Wellfleet Bay Ws, Wellfleet - Mark Faherty
5/15 15 Lamson Rd, Foxborough - Madeline Champagne
5/17 3 West Whately - Bill Benner
5/21 6 Little River Nature Trail, NP - Bo Zaremba
5/22 Wendell - Mallory Lynch & Sheila Carroll
5/24 3 Ashburnham - Mark Rainey
5/24 11 Correllus State Forest, West Tusbury - Matt Pelikan
6/7 10 Nasketucket Bay Reserve, Mattapoissett - Joe Dnelly
6/10 1 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico
6/13 1 Williamsburg Flower Hill Farm - Carol Duke
6/13 5 Dighton PL - MBC trip
7/8 1 MBWMA, Newbury - Matt Arey
Juniper Hairstreak
7/6 4 HPM, Woburn - Matt Arey
7/10 5 HPM, Woburn - Howard Hoope, Michael Newton
7/14 6 Wellfleet Bay Ws, Wellfleet - Mark Faherty
7/15 3 World’s End, Hingham - MBC trip
7/20 1 Crane WMA, Falmouth - Joe Dnelly
7/22 5 Holyoke - MBC trip
7/27 23 World’s End, Hingham - Greg Dysart
6/9 1 Nasketucket Bay Reserve, Mattapoisett - Bill Callahan
7/11 1 Truro - Faherty, Dnelly, Barry
7/25 5 Wellfleet - Joe Dnelly et al.
8/12 1 MBWMA, Newbury - Matt Arey
Hoeffel’s Hairstreak
5/24 1 Ponkopaug Bog, Canton - Steven Whitebread
White M Hairstreak
5/31 1 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
7/23 1 Nasketucket Bay Reserve, Mattapoisett - Joe Dnelly
8/7 2 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
9/6 2 Nasketucket Bay Reserve, Mattapoisett - Michael Newton
9/16 1 S Dartmouth - Ron & Sue Cloutier
Gray Hairstreak
5/6 2 HPM, Woburn - Matt Arey
5/14 4 Lamson Rd, Foxborough - Madeline Champagne
5/20 1 Holliston - Richard Hildreth
5/31 5 Myles Standish State For. Carver - Matt Arey
6/27 3 CBH, Canton - MBC trip
7/5 14 N Worcester NABA - Wendy Howes et al.
7/11 7 Blackstone Valley NABA - Tom Dodd et al.
7/11 2 Truro - Faherty, Dnelly, Barry
7/11 4 Concord NABA - Dick Walton et al.
7/11 1 Champagne yard, Foxborough - Madeline Champagne
7/13 3 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico
7/16 2 Tower Hill, Boylston - Wendy Miller
7/25 3 Bristol NABA - Mark Mello
8/7 5 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
8/4 4 MBM WS, Worcester - Bruce deGraaf
9/5 1 Northampton CG - MBC trip
9/6 9 Nasketucket Bay Reserve, Mattapoisett - Michael Newton
9/16 1 Arlington Heights - Lorene Melvin
9/16 5 Crane WMA, Falmouth - Joe Dnelly
9/20 1 E Longmeadow - Karen Parker
9/21 1 Northampton CG - Tom Gagnon, R & S Cloutier
9/27 1 Wayland - Michael Newton
10/15 1 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico
Red-banded Hairstreak
5/31 2 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
8/7 3 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
9/1 1 Nasketucket Bay Reserve, Mattapoisett - Joe Dnelly
9/5 1 Rayham - Tom Murray
9/5 3 Allen’s Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly
9/7 7 Allen’s Pond Wildlife Sanctuary, Dartmouth - Erik Nielsen
9/15 6 AP Allens Neck, Dartmouth - Lauren Miller-Donnelly et al.
9/19 3 Dartmouth - Steve Moore & Barbara Volkle
9/26 1 Allen’s Pond Wildlife Sanctuary, Dartmouth - Matt Arey
Early Hairstreak
5/30 1 North Adams, Mt. Greylock State Res. - MBC trip
Eastern Tailed-Blue
5/7 3 HPM, Woburn - Howard Hoope
5/8 4 Correllus State Forest, West Tusbury - Matt Pelikan
5/10 10 HPM, Woburn - Howard Hoope, Michael Newton
5/12 1 Crowe’s - Joe Dnelly
5/13 1 Brighton - Peter DeGennaro
5/14 3 Lamson Rd, Foxborough - Madeline Champagne
5/15 9 Florence - Tom Gagnon
5/16 15 Foss Woods, Provincetown - Fred Bouchard
5/17 8 Norfolk, Miller Street field - Madeline Champagne
5/24 16 Sherborn PL - Dawn Puliafico
5/24 5 Correllus State Forest, West Tusbury - Matt Pelikan
5/26 1 Williamsburg Flower Hill Farm - Carol Duke
5/30 2 Moran WMA, Windsor - MBC trip
6/7 11 Nasketucket Bay Reserve, Mattapoisett - Joe Dnelly
6/13 1 Appleton Farms, Ipswich - Howard Hoope
6/13 1 Arlington - Lorene Melvin
6/21 1 E Longmeadow - Karen Parker
6/27 3 Amherst - Moe O’Connor
7/3 15 S Berkshire NABA - Rene Lautbach et al.
7/3 1 Sheffiled - Mallory Lynch & Sheila Carroll
7/5 31 N Worcester NABA - Wendy Howes et al.
7/5 28 C Franklin NABA - Mark Fairbrother et al.
7/10 5 Mashpee - Erik Nielsen, Peter Trumble
7/11 75 Blackstone Valley NABA - Tom Dodd et al.
7/11 6 North Adams, Mt. Greylock State Res. - Tom Gagnon et al.
7/13 2 Crowe’s, Dennis - Joe Dnelly
7/19 27 Northampton NABA - Mark Fairbrother et al.
7/19 15 Leicester - MBC trip
7/25 6 Bristol NABA - Mark Mello
7/25 7 Nasketucket Bay Reserve, Mattapoisett - Michael Newton
8/1 1 Sheffield, Project Native- Houseatonic - Bill & Nancy Callahan
8/5 11 Borden Colony, Raynham - Joe Dnelly
8/8 1 Aewife Res., Cambridge - Rosemary Mosco
8/8 1 Meadow Road, Montague - Mark Fairbrother
8/9 2 MBWMA, Newbury - Marjorie Watson
8/9 2 Williamstown - Mark Lynch & Sheila Carroll
8/13 2 E Longmeadow - Karen Parker
8/14 1 Lakeville - Myer Bornstein
8/22 2 Sandisfield, Mark Lynch & Sheila Carroll
8/29 2 Tyringham - Mark Lynch & Sheila Carroll
8/30 10 Sherborn PL - MBC trip
9/5 6 Rayham - Tom Murray
9/6 21 Crane WMA, Falmouth - Joe Dnelly
9/6 9 Rowley - Bo Zaremba
9/12 5 Swift River Res, Petersham - Wendy Howes & Alan Rawle
9/16 39 Crane WMA, Falmouth - Joe Dnelly
9/20 85 Norton - Brian Cassie
9/23 1 North Adams, Mt. Greylock State Res. - Tom Gagnon, R & S Cloutier
9/27 10 F&W Rte1, Newbury - Matt Arey
10/6 5 Newbury - Bo Zaremba
10/9 4 Nasketucket Bay Reserve, Mattapoisett - Lauren Miller-Donnelly
10/10 1 F S WMA, Longmeadow - Bill Callahan
10/12 2 Berkshire County - Tom Gagnon, Betsy Higgins
10/12 3 Cherry Hill Res, W Newbury - Tom Murray
Spring Azure
4/18 1 Ware - Mark Lynch & Sheila Carroll
4/21 2 Holliston - Richard Hildreth
4/22 1 Longmeadow - Karen Parker
4/26 1 Correllus State Forest, West Tusbury - Matt Pelikan
4/28 1 Roberts Rd., Sandisfield - Mark Rowden
5/1 2 Monson - Mark Lynch & Sheila Carroll
5/25 2 Winchendon - Mark Lynch & Sheila Carroll
5/2 3 Crane Beach, Ipswich - Jim Berry
5/20 Natick - Michael Newton
5/3 6 Rocky Narrows, Sherborn - Michael Newton
5/3 35 MSSF, Plymouth - Steve Moore & Barbara Volkle
5/3 9 Great Barrington, Myrin Preserve - Mark Lynch & Sheila Carroll
5/4 18 Westborough - Steve Moore & Barbara Volkle
5/4 4 Montague Plains - Tom Gagnon & Betsy Higgins
5/5 4 Stichter Yard, Newbury - Joe Stichter
5/6 25 Maynard - Greg Dysart
5/6 9 Tower Hill, Boylston - Daul Piafiaco
5/6 45 Willowdale SF, Ipswich - Jim Berry
5/7 4 MBWMA, Newbury - Jim Berry
5/7 2 HPM, Woburn - Howard Hoople
5/8 4 Holliston - Richard Hildreth
5/8 19 Corrlessa State Forest, West Tusbury - Matt Pelikan
5/9 41 Ware River Watershed, Barre - Mark Lynch & Sheila Carroll
5/9 96 MSSS, Plymouth - Lauren Griffith
5/9 100 Ridge Hill Res, Needham - Michael Newton
5/9 16 Weir Hill Res, N Andover - MBC trip
5/10 9 Uxbridge - Dawn Piafiaco
5/10 16 Pikes Bridge Rd, W Newbury - Marjorie Watson
5/10 2 Williamsburg Flower Hill Farm - Carol Duke
5/11 25 Pilgrim Heights, Truro - Joe Dwwly
5/11 3 Longmeadow - Karen Parker
5/11 2 Willistown - Pam Weatherbee
5/11 8 Beartown SF, Great Barrington - Mark Lynch & Sheila Carroll
5/12 25 Falmouth - Larry Barry
5/12 50 Natick - Michael Newton
5/12 3 Vineyard Haven - Matt Pelikan
5/14 6 Wellfleet Bay Ws, Wellfleet - Mark Faherty
5/14 2 Holdon - Elise & Karl Barry
5/15 63 World's End, Hingham - MBC trip
5/15 120 Shawme-Crowell St Pk, Sandwich - Bo Zaremba
5/16 80 Foss Woods, Provincetown - Fred Bouchard
5/17 2 West Watleye - Bill Wenew
5/17 5 Petersham, Rutland Brook Sanc. - Wendy Howes & Alan Rawle
5/17 68 Nasketucket Bay Reserve, Mattapossiet - Joe Dwwly
5/17 22 MSSS, Plymouth - MBC trip
5/21 11 Pikes Bridge Rd, W Newbury - Bo Zaremba
5/22 6 Wendell - Mark Lynch & Sheila Carroll
5/23 2 Williamsburg Flower Hill Farm - Carol Duke
5/24 9 W Newbury - Bo Zaremba
5/25 15 World's End, Hingham - Greg Dysart
5/30 4 North Adams, Mt. Greylock State Res. - MBC trip
5/30 16 Nasketucket Bay Reserve, Mattapossiet - Joe Dwwly
5/30 5 Williamsburg Flower Hill Farm - Carol Duke
5/31 5 Sherborn - Michael Newton
‘Cherry Gall’ Spring Azure
5/14 1 Oak St. PL, Shrewsbury - Steve Moore
5/20 1 Crane WMA, Falmouth - Joe Dwwly
5/20 2 Vineyard Haven - Matt Pelikan
5/24 5 Ashburnham - Mark Rainey
5/27 1 Berkshire County - Gagnon, Allen, Higgins
6/13 1 Dighton PL - MBC trip
‘Summer’ Spring Azure
5/17 1 Wareham - Lauren Griffith
6/6 1 E Longmeadow - Karen Parker
6/7 1 Leicester - Mark Rowden
6/12 6 MPP, Williamstown - Steve Moore & Barbara Volkle
6/14 8 BMB WS, Worcester - Bill & Nancy Callahan
6/14 7 Windsor - Steve Moore & Barbara Volkle
6/14 7 Holliston - Richard Hildreth
6/22 2 Assabet River NWR, Stow - Gary Freedman
6/26 2 MFF, Sharon - Madeline Champagne
6/30 1 Willow Farm, Ware - Wendy Howes
7/6 21 S Berkshire NABA - Rene Laubach et al.
7/3 5 GBH, Canton - Michael Newton
7/3 3 MBWMA, Newbury - Jim Berry
7/5 26 C Franklin NABA - Mark Fairbrother et al.
7/5 20 N Worcester NABA - Wendy Howes et al.
7/6 6 MBWMA, Newbury - Marjorie Watson
7/9 6 Moore SP, Paxton - Elise Barry, Seth Herr
7/10 10 Sheffield - Matt Arey
7/10 5 Ipswich, New England Biolabs - Jim Berry
7/10 10 Windsor - Gagnon, Moore, Volkle
7/11 23 Concord NABA - Dick Walton et al.
7/11 2 Truro - Falthery, Dwwly, Barry
7/12 5 MMP, Williamstown - MBC trip
7/16 4 Williamsburg Flower Hill Farm - Carol Duke
7/18 14 Pittsfield - Tom Gagnon, Harvey Allen
7/19 21 Northampton NABA - Mark Fairbrother et al.
7/25 7 Nasketucket Bay Reserve, Mattapossiet - Micheal Newton
7/26 1 Arlington - Lisa Wolfe
8/2 2 Drumlin Farm, Lincoln - Dawn Piafiaco
8/6 2 E Longmeadow - Karen Parker
8/9 8 Fowl Meadows, Milton - Michael Newton
8/14 1 LPWS, Barnstable - Joe Dwwly
9/5 7 Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly
9/15 2 Mt. Tom State Reservation, Holyoke - Tom Gagnon & Betsy Higgins
9/17 1 E Longmeadow - Karen Parker
9/19 4 Allens Pond Wildlife Sanctuary, Dartmouth - Steve Moore & Barbara Volkle
9/23 1 North Adams, Mt. Greylock State Res. - Tom Gagnon, R & S Cloutier
10/8 1 AP Field Station, Dartmouth - Lauren Miller-Donnelly
Silverly Blue
5/7 1 Southborough - Dawn Piafiaco
5/13 7 Delaney WMA, Stow - Steve Moore
5/14 1 Dauphininas Park, Grafton - Steve Moore
5/18 6 Breakneck Hill Conservation Land, Southborough - Dawn Piafiaco
5/24 1 Pepperell - Garry Kessler
5/26 1 F&G Fields, Westborough - Garry Kessler
5/27 3 Berkshire County - Gagnon, Allen, Higgins
5/28 1 Muir Meadow, Paxton - Elise Barry
5/30 5 Willard Brook State Forest, Ashby - Bo Zaremba
5/30 2 Moran WMA, Windsor - MBC trip
6/10 1 Breakneck Hill Conservation Land, Southborough - Dawn Piafiaco
6/12 1 North Adams, Mt. Greylock State Res. - Larry Barry
American Snout
7/10 1 Sheffield - Matt Arey
Variegated Fritillary
7/5 1 N Worcester NABA - Wendy Howes et al.
7/18 1 Falmouth NABA - Alison Robb, et al.
9/4 1 Northampton - Tom Gagnon
9/6 1 Royalston - Rick Chech et al.
9/16 3 Crane WMA, Falmouth - Joe Dwwly
9/18 1 Nahant - Linda Pivacek
10/6 14 Crane WMA, Falmouth - Joe Dwwly
10/12 6 Crane WMA, Falmouth - Bo Zaremba
Great Spangled Fritillary
6/12 1 MMP, Williamstown - Steve Moore & Barbara Volkle
6/13 1 Dighton PL - MBC trip
6/13 2 Northampton CG - Bill Callahan
6/13 1 Champagne yard, Foxborough - Madeline Champagne
6/17 10 Ward Res, Andover - Howard Hoople
6/19 5 Lincoln - Paul Peterson
6/21 1 Holliston - Richard Hildreth
6/22 14 Harvard - Steve Moore
6/22 2 Northfield - Mark Lynch & Sheila Carroll
6/25 4 E Longmeadow - Karen Parker
6/26 37 MHF, Sharon - Madeline Champagne
6/27 3 Highland Farm, Belmont - Mark Rainey
6/30 50 Willow Farm, Ware - Wendy Howes
7/1 6 DCR Kristoff Farm, Sterling - Wendy Howes
7/3 42 MBWMA, Newbury - Marjorie Watson
7/3 126 S Berkshire NABA - Rene Laubach et al.
7/3 38 MBWMA, Newbury - Jim Berry
7/5 28 MBWMA, Newbury - Marjorie Watson
7/5 22 Huntington - Mark Lynch & Sheila Carroll
7/5 149 C Franklin NABA - Mark Fairbrother et al.
Baltimore Checkerspots, *Euphydryas phaeton*, eggs and caterpillars, West Bridgewater, MA, photos by Don Adams

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6
Great Spangled (*Speyeria cybele*) and Aphrodite (*S. aphrodite*) Fritillaries, 7/11/15, Tully Lake, Royalston, MA, MA, Bill & Nancy Callahan

Delaware Skipper (*Anatrytone logan*), 7/1/15, Sterling, MA, Wendy Howes

Appalachian Brown (*Satyrodes appala-chia*), 8/9/15, Canton, MA, Michael Newton

Long Dash (*Polites mystic*), 7/7/15, Lenox, MA, Bo Zaremba

Pearl Crescent (*Phyciodes tharos*), 7/27/15, Plymouth, MA, David Newman
Monarch 
(*Danaus plexippus*), 9/12/15, 
Westport, MA, 
Michael Newton

American Lady (*Vanessa virginiensis*), 8/25/15, 
Shrewsbury, MA, 
Bruce deGraaf

Oak Hairstreak 
(*Satyrium favonius*), 6/25/15, 
Middlesex Co., MA, 
Garry Kessler

Leonard’s Skipper 
(*Hesperia leonardus*), 8/22/15, 
Sherborn, MA, 
Michael Newton

Henry’s Elfin 
(*Callophrys henrici*), 5/3/15, Milton, MA, 
Garry Kessler
The new banana feeder in operation
with Question Mark and Mourning Cloak
28 May 2012, Steuben, ME, RWH cabin yard

photographs by Richard W. Hildreth
Silver-bordered Fritillary  
5/25  7 Sherborn - Michael Newton
8/30  150 Sherborn PL - MBC trip
9/1  1 Carlisle CA Cranberry Bog - Jonathan Center
9/1  7 Nasketucket Bay Reserve, Mattapoissett - Joe Dwelly
9/6  8 Royalston - Rick Cheeh et al.
9/6  25 Rowley - Bo Zaremba
9/20  3 Norton - Brian Cassie
9/27  15 F&W Rte1, Newbury - Matt Arey
10/7  1 Appleton Farms, Ipswich - Howard Hoople

Meadow Fritillary  
5/25  12 Williamsstown - Pam Weatherbee
7/3  1 Sheffield - Mark Lynch & Sheila Carroll
7/3  1 5 Berkshire NABA - Rene Laubach et al.
7/5  8 C Franklin NABA - Mark Fairbrother et al.
7/11  50 Williamsstown - Terri Armata
7/19  1 Northampton NABA - Mark Fairbrother et al.
7/22  2 Bullitt TTOR, Ashfield - Tom Gagnon
8/9  11 Williamstown - Mark Lynch & Sheila Carroll
8/29  1 Tyringham - Mark Lynch & Sheila Carroll
9/15  8 Williamstown - Bo Zaremba
9/16  1 Acouzet - Mark Lynch & Sheila Carroll

Harris' Checkerspot  
6/3  1 Petersham - Sue Cloutier
6/4  1 Weir Hill Res, N Andover - Howard Hoople
6/6  10 BMB WS, Worcester - Garry Kessler
6/13  3 BMB WS, Worcester - Michael Newton
6/14  12 BMB WS, Worcester - Bill & Nancy Callahan
6/17  2 BMB WS, Worcester - Steve Moore

Pearl Crescent  
5/9  1 HPW, Woburn - Michael Newton
5/13  1 Brighton - Peter DeGennaro
5/14  1 Hadley - Tom Gagnon
5/14  1 Worcester - Elise & Karl Barry
5/14  6 Chicopee - Moe O'Connor
5/15  20 Hopkinton - Dawn Puliafico
5/20  2 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico
5/24  7 Correllus State Forest, West Tisbury - Matt Pelikan
5/24  90 Western Ave CA, Sherborn - Dawn Puliafico
5/25  1 Longmeadow - Karen Parker
5/25  22 Sherborn - Michael Newton
5/26  37 NP - Bo Zaremba
5/27  45 Moore SP, Paxton - Elise & Karl Barry
5/29  7 Williamsburg Flower Hill Farm - Carol Duke
5/31  27 LPWS, Barnstable - Joe Dwelly
5/31  25 Nasketucket Bay Reserve, Mattapoissett - Matt Arey
6/4  7 MBWMA, Newbury - Joe & Sharon Stichter
6/1  4 Southwick - Karen Parker
6/14  6 Borden Colony, Raynham - Joe Dwelly
6/7  1 Otis - Moe O'Connor
6/10  5 Royalston - Mark Lynch & Sheila Carroll
6/12  21 MMP, Williamstown - Steve Moore & Barbara Volke
7/11  68 Blackstone Valley NABA - Tom Dodd et al.
7/11  99 Concord NABA - Dick Walton et al.
7/11  5 Williamstown - Terri Armata
7/19  688 Northampton NABA - Mark Fairbrother et al.
7/23  60 Nasketucket Bay Reserve, Mattapoissett - Joe Dwelly
7/25  52 Welfleet - Joe Dwelly et al.
7/25  100 Nasketucket Bay Reserve, Mattapoissett - Michael Newton
7/25  246 Bristol NABA - Mark Mello
7/29  1 Holliston - Richard Hildreth
7/31  30 WMWS, Princeton - Greg Dysart
8/1  10 Sheffield, Project Native- Housatonic - Bill & Nancy Callahan
8/3  228 Sandisfield - Mark Lynch & Sheila Carroll
8/7  6 Borderland St. Park, Easton - Kathleen Walker
8/9  5 MBWMA, Newbury - Marjorie Watson
8/9  15 Barre - Wendy Howes & Alan Rawle
8/9  25 Fowl Meadows, Milton - Michael Newton
8/13  3 Leicester - Mark Rowden
8/14  65 LPWS, Barnstable - Joe Dwelly
8/29  1 Tyringham - Mark Lynch & Sheila Carroll
8/30 170 Sherborn PL - MBC trip
9/5 15 Tully Dam, Royalston - Rick Chech et al.
9/5 30 Raynham - Tom Murray
9/15 75 Borden Colony, Raynham - Joe Dvely
9/15 16 Williamstown - Bo Zarella
9/16 4 Huntington - Mark Lynch & Sheila Carroll
9/17 1 E Longmeadow - Karen Parker
9/19 1 Leicester - Mark Rowden
9/27 20 Cow Common CA, Wayland - Michael Newton
9/27 20 F&W Rte1, Newbury - Matt Arey
10/6 11 AP Field Station, Dartmouth - Madeline Champagne
10/8 15 Sherborn - Michael Newton
10/12 1 AP Field Station, Dartmouth - Bo Zarella
10/12 1 Ipswich - Jim Berry
10/12 2 Berkshire County - Tom Gagnon, Betsy Higgins

Baltimore Checkerspot
6/10 2 W Bridgewater - Don Adams
6/10 60 Marston Mills Airport - Joe Dvely
6/19 1 Weir Hill Res, N Andover - Howard Hoople
6/20 50 Marston Mills Airport - Joe Dvely
6/20 6 Harvard - Garry Kessler
6/24 1 AP, Dartmouth - Lauren Miller-Donnelly
6/26 1 MHF, Sharon - Madeline Champagne
7/10 10 Sheffield - Matt Arey
7/10 1 Windsor - Gagnon, Moore, Volkle
7/11 13 Blackstone Valley NABA - Tom Dodd et al.
7/11 21 Williamstown - Terri Armata
7/18 1 Pittsfield - Tom Gagnon, Harvey Allen
7/19 27 Northampton NABA - Mark Fairbrother et al.
7/22 12 Bullit TTOR, Ashfield - Tom Gagnon

Question Mark
4/15 1 Mt. Tom State Reservation, Holyoke - MBC trip
5/24 1 Holliston - Richard Hildreth
5/25 1 W Tisbury - Matt Pelikan
5/29 1 Harwich - Larry Barry
5/30 1 Moran WMA, Windsor - MBC trip
5/30 2 Old Town Hill, Newbury - Matt Arey
6/4 1 Bradley Estate, Canton - Lucy Merril-Hills
6/6 1 Amherst - Josh Rose
6/9 1 Fowl Meadows, Milton - Paul Peterson
6/13 1 Westborough WMA - Wendy Miller
6/24 2 Borden Colony, Raynham - Joe Dvely
7/3 1 Moshup's Trail, Aquinnah - Matt Pelikan
7/5 1 Mashpee - Erik Nielsen, Peter Trimple
7/9 3 Moore SP, Paxton - Elise Barry, Beth Herr
7/18 1 Pittsfield - Tom Gagnon, Harvey Allen
7/20 1 Westport - Mark Lynch & Sheila Carroll
7/25 1 Wellfleet - Joe Dvely et al.
8/1 1 Sheffield, Project Native-Housatonic - Bill & Nancy Callahan
8/7 1 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
9/27 1 F&W Rte1, Newbury - Matt Arey
10/11 1 MBWMA, Newbury - Michael Newton
11/1 1 Westport - Lauren Miller-Donnelly

Eastern Comma
4/12 2 Mt. Tom State Reservation, Holyoke - Tom Gagnon
4/12 3 Oxbow NWR, Harvard - Steve Moore et al.
4/12 4 Holliston - Richard Hildreth
4/12 5 Fessenden Field, Sherborn - Michael Newton
4/18 1 SF, Boxford - Jim Berry
4/19 1 Sheffield - Mark Lynch & Sheila Carroll
4/29 1 Holliston - Richard Hildreth
5/7 1 Longmeadow - Karen Parker
5/23 1 Leicester - Mark Rowden
6/18 2 CST, Northborough - Steve Moore
6/22 2 Wendell - Mark Lynch & Sheila Carroll
6/22 3 Northfield - Mark Lynch & Sheila Carroll
6/30 2 Willow Farm, Ware - Wendy Howes
7/3 6 MBWMA, Newbury - Marjorie Watson
7/3 13 S Berkshire NABA - Rene Laubach et al.
7/3 2 Hubbardston, Mt. Jefferson Cons. Area - Wendy Howes
7/5 26 Huntington - Mark Lynch & Sheila Carroll
7/5 8 N Worcester NABA - Wendy Howes et al.
7/8 10 MBWMA, Newbury - Matt Arey
7/10 1 Windsor - Gagnon, Moore, Volkle
7/11 6 Concord NABA - Dick Walton et al.
7/11 6 North Adams, Mt. Greylock State Res. - Tom Gagnon et al.
7/13 1 E Longmeadow - Karen Parker
7/19 5 Northampton NABA - Mark Fairbrother et al.
7/22 3 Willowdale SF, Ipswich - Jim Berry
7/28 1 E Longmeadow - Karen Parker
8/1 1 Sheffield, Project Native-Housatonic - Bill & Nancy Callahan
8/2 3 Drumlin Farm, Lincoln - Dawn Puliafico
8/9 1 Fowl Meadows, Milton - Michael Newton
8/9 3 Berkshire County - Tom Gagnon
9/15 1 Williamstown - Bo Zarella
9/23 3 North Adams, Mt. Greylock State Res. - Tom Gagnon, R & S Cloutier
10/10 1 Wayland - Michael Newton
10/10 2 FS WMA, Longmeadow - Bill Callahan
11/5 1 Easthampton - Bruce King

Gray Comma
5/27 2 Berkshire County - Gagnon, Allen, Higgins
7/2 1 Berkshire County - Ron & Sue Cloutier
7/5 3 C Franklin NABA - Mark Fairbrother et al.
7/5 2 Hampshire County - Mark Lynch & Sheila Carroll
7/8 3 MBWMA, Newbury - Matt Arey
7/11 1 North Adams, Mt. Greylock State Res. - Tom Gagnon et al.
8/1 2 Bart's Cobble, Sheffield - Bill & Nancy Callahan
9/16 1 Hampshire County - Mark Lynch & Sheila Carroll
10/12 1 Berkshire Co.unity - Tom Gagnon, Betsy Higgins

Compton Tortoiseshell
4/13 1 MHWS, Sharon - Vin Zollo
7/11 1 North Adams, Mt. Greylock State Res. - Tom Gagnon et al.

Mourning Cloak
3/31 1 Vineyard Haven - Liz Loucks
3/31 1 Holliston - Richard Hildreth
4/2 1 Ward Res, Andover - Howard Hoople
4/5 1 Norfolk - Michelle McMenamin
4/12 4 S Main Street, New Salem - Ron & Sue Cloutier
4/12 9 Sherborn PL - Michael Newton
4/12 30 Mt. Tom State Reservation, Holyoke - Tom Gagnon
4/12 4 Laughing Brook WS, Hampden - Bill Callahan
4/12 5 CPWMA, Groveland - Jim Berry
4/12 2 New Marlborough - Mark Lynch & Sheila Carroll
4/15 28 Mt. Tom State Reservation, Holyoke - MBC trip
4/15 1 Stichter Hard, Newbury - Sharon Stichter
4/16 9 Signal Hill, Canton - Madeline Champagne
4/28 2 Holliston - Richard Hildreth
5/2 2 Mount Washington - Mark Lynch & Sheila Carroll
5/2 1 Longmeadow - Karen Parker
5/3 1 Ipswich, Dow Brook Reservoir - Jim Berry
5/4 3 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico
5/4 1 Grafton - Steve Moore & Barbara Volkle
5/6 5 Foxborough - Brian Cassie
5/7 4 HPM, Woburn - Howard Hoople
5/11 2 Ashland - Dawn Puliafico
5/15 4 Shawne-Crowell StPk, Sandwich - Bo Zarella
5/16 2 Foss Woods, Provincetown - Fred Bouchard
5/24 1 Correllus State Forest, West Tisbury - Matt Pelikan
5/30 4 Moran WMA, Windsor - MBC trip
6/12 2 F Longmeadow - Karen Parker
7/3 3 S Berkshire NABA - Rene Laubach et al.
7/5 5 N Worcester NABA - Wendy Howes et al.
7/10 1 Peru - Gagnon, Moore, Volkle
7/11 1 Provincetown - Faherty, Dwelly, Barry
7/11 5 Blackstone Valley NABA - Tom Dodd et al.
7/12 2 Wendell - Mark Lynch & Sheila Carroll
8/2 1 Drumlin Farm, Lincoln - Dawn Puliafico
8/8 1 BMW WS, Worcester - MBC trip
8/26 2 Ware River Watershed, Barre - Mark Lynch & Sheila Carroll
31

9/3  1 FS WMA, Longmeadow - Bill Callahan
9/15 1 Borden Colony, Raynham - Joe Dwelly
9/25 1 Amherst - Josh Rose
10/4 1 Royalton - Carl Kamp, Alyce Mayo
10/10 2 Wayland - Michael Newton
10/12 1 S Main Street, New Salem - Ron & Sue Cloutier
10/12 1 Berkshire County - Tom Gagnon, Betsy Higgins
11/16 Granville - John Weeks
12/25 1 Boxford - Matt Arey

Millert's Tortoiseshell
5/17 1 Hubbardston - Wendy Howes & Alan Rawle
5/24 1 Hubbardston, Mt. Jefferson Cons. Area - Wendy Howes
6/12 1 Acton - Gigi Hopkins

American Lady
5/6 1 Holliston - Richard Hildreth
5/7 1 Stichter Yard, Newbury - Joe Stichter
5/11 1 Pillgrim Heights, Truro - Joe Dwelly
5/11 Longmeadow - Karen Parker
5/13 1 Brightton - Peter DeGennaro
8/8 1 BMBM WS, Worcester - MBC trip
8/28 1 E Longmeadow - Karen Parker
8/31 1 Boston Nature Center - Lucy Merrill-Hills
9/6 3 Crane WMA, Falmouth - Joe Dwelly
9/15 2 Hampden - Bill Callahan
9/16 23 Crane WMA, Falmouth - Joe Dwelly
10/4 1 Whitely - Bill Benner
10/6 9 Rowley - Bo Zaremba
10/8 Gooseberry Neck, Westport - Michael Newton
10/8 2 Northampton - Tom Gagnon, Betsy Higgins
10/9 6 Nasketucket Bay Reserve, Mattapoisett - Lauren Miller-Donnelly
10/15 5 Northampton CG - Tom Gagnon
11/13 1 Plymouth - Robin Gross
11/12 3 Nahant - Linda Pivacek

Painted Lady
5/11 1 W Bridgewater - Don Adams
5/17 1 West Whately - Bill Benner
6/13 1 Arlington - Lorene Melvin
6/13 1 W Bridgewater - Don Adams
7/3 2 GBH, Canton - Michael Newton
8/2 1 Plymouth - Robin Gross
9/5 1 Raynham - Tom Murray
9/15 1 Northampton CG - Ron & Sue Cloutier
9/19 2 Allens Pond Wildlife Sanctuary, Dartmouth - Steve Moore & Barbara Volkke
10/11 1 Plum Island, Newbury - Erik Nielsen
10/14 1 Plymouth - Robin Gross
10/21 1 AP Field Station, Dartmouth - Lauren Miller-Donnelly

Red Admiral
4/12 1 Crane Beach, Ipswich - Matt Arey
5/5 1 Stichter Yard, Newbury - Joe Stichter
5/14 1 Brightton - Peter DeGennaro
5/14 1 Hadley - Tom Gagnon
5/21 1 Lamson Rd, Foxborough - Madeline Champagne
5/22 1 Wendell - Mark Lynch & Sheila Carroll
5/24 1 Longmeadow - Karen Parker
5/26 1 NP - Bo Zaremba
5/24 4 FS WMA, Longmeadow - Bill Callahan
5/30 1 Highland Farm, Belmont - Mark Rainey
6/9 5 Fowl Meadows, Milton - Paul Peterson
6/14 3 Field Farm, Williamstown - Steve Moore & Barbara Volkke
6/18 4 Sylvan Nursery, Westport - Howard Hoople
6/22 1 W Bridgewater - Don Adams
6/25 1 E Longmeadow - Karen Parker
7/1 3 DCR Kristoff Farm, Sterling - Wendy Howes
7/3 3 Sheffied - Mark Lynch & Sheila Carroll
7/3 3 MBWMA, Newbury - Marjorie Watson
7/3 2 Moshup's Trail, Aquinnah - Matt Pelikan
7/3 2 S Berkshire NABA - Rene Laubach et al.
7/5 15 C Franklin NABA - Mark Fairbrother et al.
7/5 1 N Worcester NABA - Wendy Howes et al.
7/5 27 Huntington - Mark Lynch & Sheila Carroll
7/6 4 Winchenendon - Mark Lynch & Sheila Carroll

7/8 2 Pine Tree Nursery, Chatham - Mark Faherty
7/10 1 Windsor - Gagnon, Moore, Volkke
7/10 10 Sheffield - Matt Arey
7/10 3 Westport - Lauren Miller-Donnelly
7/11 7 Sandisfield - Mark Lynch & Sheila Carroll
7/11 5 Provincetown - Fathery, Dwelly, Barry
7/11 4 Williamstown - Terri Armata
7/11 44 Concord NABA - Dick Walton et al.
7/11 12 Truro - Fathery, Dwelly, Barry
7/12 2 Sudbury - Moore, Kessler, Reid
7/13 3 Chicopee - Moe O'Connor
7/16 3 Roslindale, Boston - Lucy Merrill-Hills
7/16 1 Arnold Arboretum, Boston - Lucy Merrill-Hills
7/19 29 Northampton NABA - Mark Fairbrother et al.
7/24 1 Harwich - Larry Barry
7/25 1 W Springfield - Steve Shelasky
7/29 1 N Andover - Jim Berry
8/1 2 Bart's Cobbles, Sheffield - Bill & Nancy Callahan
8/2 1 Woods Hole - Les Garrick
8/7 1 Arlington - Lorene Melvin
8/12 3 MBWMA, Newbury - Matt Arey
8/31 2 Boston Nature Center - Lucy Merrill-Hills
9/5 1 Winchendon - Mark Lynch & Sheila Carroll
9/15 1 Williamstown - Bo Zaremba
9/19 3 Sylvan Nursery, Dartmouth - Steve Moore & Barbara Volkke
10/6 2 Sylvan Nursery, Dartmouth - Michael Newton
10/11 1 MBWMA, Newbury - Matt Arey
10/31 1 Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly
12/12 1 Ipswich - Steve Mirick

Common Buckeye
5/31 1 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
6/11 1 Cow Common CA, Wayland - Michael Newton
7/5 2 Mashpee - Erik Nielsen, Peter Trimbile
7/8 1 MBWMA, Newbury - Matt Arey
7/11 1 Blackstone Valley NABA - Tom Dodd et al.
7/11 2 Concord NABA - Dick Walton et al.
7/13 1 Belle Isle Marsh, Boston - Paul Peterson
8/14 1 Stichter Yard, Newbury - Sharon Stichter
8/20 1 Crane WMA, Falmouth - Joe Dwelly
9/6 3 Crane WMA, Falmouth - Joe Dwelly
9/16 2 S Dartmouth - Ron & Sue Cloutier
9/16 4 Crane WMA, Falmouth - Joe Dwelly
9/27 1 F&W Rt1, Newbury - Matt Arey
10/6 1 W Meadows, Northampton - Tom Gagnon
10/7 2 Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly
10/12 1 Westport - Mark Lynch, Sheila Carroll
10/15 1 Northampton CG - Tom Gagnon
10/21 1 AF, Dartmouth - Lauren Miller-Donnelly

Red-spotted Admiral
6/5 1 Sharon - Madeline Champagne
7/5 6 C Franklin NABA - Mark Fairbrother et al.
7/11 1 Williamstown - Terri Armata
7/25 1 Bristol NABA - Mark Mello
8/13 1 Leicester - Mark Rowden

Red-spotted Purple
5/26 1 Sherborn - Michael Newton
5/30 2 North Adams, Mt. Greylock State Res. - MBC trip
5/30 20 Old Town Hill, Newbury - Matt Arey
5/30 4 DCR Kristoff Farm, Sterling - Wendy Howes & Alan Rawle
5/30 1 Acoaxet - Mark Lynch & Sheila Carroll
6/3 3 Winchendon - Mark Lynch & Sheila Carroll
6/4 5 MBWMA, Newbury - Joe & Sharon Stichter
6/10 42 Royalston - Mark Lynch & Sheila Carroll
6/13 2 Williamsburg Flower Hill Farm - Carol Duke
6/14 26 Sandisfield - Mark Lynch & Sheila Carroll
6/15 1 Roslindale, Boston - Lucy Merrill-Hills
6/18 1 CST, Northborough - Steve Moore
6/22 5 Wendell - Mark Lynch & Sheila Carroll
6/27 3 Warwick - Mark Lynch & Sheila Carroll
7/10 1 Peru - Gagnon, Moore, Volkle
7/11 1 Provincetown - Faherty, Dwelly, Barry
7/22 4 Willowdale SF, Ipswich - Jim Berry
7/25 1 Attleboro - Kathleen Walker
8/1 9 Winchendon - Mark Lynch & Sheila Carroll
8/7 3 Nasketucket Bay Reserve, Mattapoissett - Matt Arey
8/9 5 Fowl Meadows, Milton - Michael Newton
8/13 1 Amherst - Josh Rose
8/14 1 Peru, Dorothy Rice Sanctuary - Gael Hurley
8/20 1 Holliston - Richard Hildreth
8/26 1 Barry Yard, Paxton - Elise Barry
9/9 1 Berkshire County - Tom Gagnon
9/15 1 Mt. Tom State Reservation, Holyoke - Tom Gagnon & Betsy Higgins
9/29 1 Falmouth - Alison Robb
10/4 1 Stonehill College, Easton - Nick Block

Viceroy
5/24 1 Sherborn PL - Dawn Puliafico
5/25 1 BMB WS, Worcester - Wendy Miller, Barbara Volkle
5/30 1 Old Town Hill, Newbury - Matt Arey
6/3 1 Winchendon - Mark Lynch & Sheila Carroll
6/4 2 MBWMA, Newbury - Joe & Sharon Stichter
6/6 1 Amherst - Josh Rose
6/12 3 MMP, Williamstown - Steve Moore & Barbara Volkle
6/13 3 Dighton PL - MBC trip
7/11 4 Blackstone Valley NABA - Tom Dodd et al.
7/19 12 Northampton NABA - Mark Fairbrother et al.
7/25 4 Nasketucket Bay Reserve, Mattapoissett - Michael Newton
7/25 1 Colrain - Mark Lynch & Sheila Carroll
8/1 1 Lime Kiln, Sheffield - Bill & Nancy Callahan
8/7 1 Canoe Meadows, Pittsfield - Gael Hurley
8/9 3 MBWMA, Newbury - Marjorie Watson
9/5 1 Raynham - Tom Murray
9/6 2 Royalston - Rick Cheek et al.
9/7 1 Ipswich, New England Biolabs - Jim Berry
9/16 3 Huntington - Mark Lynch & Sheila Carroll
10/7 1 Sylvan Nursery, Dartmouth - Lauren Miller-Donnelly

Hackberry Emperor
7/10 3 Sheffield - Matt Arey

Tawny Emperor
7/3 1 S Berkshire NABA - Rene Laubach et al.
7/10 4 Sheffield - Matt Arey
7/19 1 Northampton NABA - Mark Fairbrother et al.

Northern Pearly-Eye
6/21 1 Sherborn - Michael Newton
6/24 1 Holliston - Richard Hildreth
7/1 2 DCR Kristoff Farm, Sterling - Wendy Howes
7/3 1 S Berkshire NABA - Rene Laubach et al.
7/3 6 New Salem - Ron & Sue Cloutier
7/5 6 C Franklin NABA - Mark Fairbrother et al.
7/5 12 N Worcester NABA - Wendy Howes et al.
7/10 1 Peru - Gagnon, Moore, Volkle
7/10 1 Washington - Gagnon, Moore, Volkle
7/11 1 Athol - Dave Small
7/17 1 Oxbow NWR, Harvard - Mark Lynch & Sheila Carroll
7/18 3 Pittsfield - Tom Gagnon, Harvey Allen
7/19 2 Northampton NABA - Mark Fairbrother et al.
7/25 1 Bristol NABA - Mark Mello

Eyed Brown
7/3 1 Sheffield - Mark Lynch & Sheila Carroll
7/5 1 N Worcester NABA - Wendy Howes et al.
7/5 5 C Franklin NABA - Mark Fairbrother et al.
7/11 2 Sandisfield - Mark Lynch & Sheila Carroll
7/12 1 Sudbury - Moore, Kessler, Reid
7/12 3 Chicopee - Moe O'Connor
7/17 11 Oxbow NWR, Harvard - Mark Lynch & Sheila Carroll
7/26 1 Windsor - Gael Hurley
8/1 1 Winchendon - Mark Lynch & Sheila Carroll
8/8 1 Holliston - Richard Hildreth

Appalachian Brown
6/4 1 FS WMA, Longmeadow - Bill Callahan
6/7 2 Norfolk, Miller Street field - Madeline Champagne
6/18 1 CST, Westborough - Steve Moore
6/24 3 Borden Colony, Raynham - Joe Dwelly
6/27 2 Warwick - Mark Lynch & Sheila Carroll
7/5 3 N Worcester NABA - Wendy Howes et al.
7/10 10 Sheffield - Matt Arey
7/11 1 Provincetown - Faherty, Dwelly, Barry
7/12 10 CST, Westborough - MBC trip
7/24 1 Hubbardston - Wendy Howes
7/25 1 Nasketucket Bay Reserve, Mattapoissett - Michael Newton
8/1 1 Bart's Cobble, Sheffield - Bill & Nancy Callahan
8/9 8 Fowl Meadows, Milton - Michael Newton
8/13 1 Tower Hill, Boylston - Wendy Miller
8/20 1 Shrewsbury - Bruce de Graaf
9/3 6 FS WMA, Longmeadow - Bill Callahan
9/28 1 CST, Westborough - Steve Moore

Little Wood-Satyr
5/21 1 Tower Hill, Boylston - Wendy Miller
5/22 3 Holyoke - MBC trip
5/25 21 Sherborn - Michael Newton
5/26 2 NP - Bo Zaremba
5/28 4 Sherborn - Michael Newton
5/29 29 Brewster Public Gardens, Brewster - Joe Dwelly
5/29 80 Wilbraham - Bill Callahan
5/29 4 Williamsburg Flower Hill Farm - Carol Duke
5/30 24 Highland Farm, Belmont - Mark Rainey
5/30 25 The Orway Property, W Newbury - Bo Zaremba
5/31 4 Holliston - Richard Hildreth
5/31 75 Nasketucket Bay Reserve, Mattapoissett - Matt Arey
6/3 51 Winchendon - Mark Lynch & Sheila Carroll
6/4 23 Borden Colony, Raynham - Joe Dwelly
6/4 2 MBWMA, Newbury - Joe & Sharon Stichter
6/5 40 TTOR Cedar River, Millis - Madeline Champagne
6/8 2 W Bridgewater - Don Adams
6/10 46 Royalston - Mark Lynch & Sheila Carroll
6/10 3 Tower Hill, Boylston - Wendy Miller
6/12 97 MMP, Williamstown - Steve Moore & Barbara Volkle
6/13 40 Steurbridge, Wells State Park - Mark Lynch & Sheila Carroll

Callahan
7/5 40 TTOR Cedar River, Millis - Madeline Champagne
7/25 4 N Worcester NABA - Wendy Howes et al.
7/24 2 Windsor, Papio - Elise Barry
7/9 11 Moor SP, Paxton - Elise Barry, Beth Herr
7/10 10 Sheffield - Matt Arey
7/11 49 Concord NABA - Dick Walton et al.
7/11 75 Blackstone Valley NABA - Tom Dodd et al.
7/11 23 Truro - Faherty, Dwelly, Barry
7/12 3 Wendell - Mark Lynch & Sheila Carroll
7/12 17 CST, Northborough - MBC trip
7/19 21 Northampton NABA - Mark Fairbrother et al.
7/22 2 Willowdale SF, Ipswich - Jim Berry
7/25 1 Wellfleet - Joe Dwelly et al.
7/25 7 Bristol NABA - Mark Mello
7/26 1 E Longmeadow - Karen Parker
8/1 2 Sheffield, Project Native- Housatonic - Bill & Nancy Callahan
8/9 1 Barre - Wendy Howes & Alan Rawle

Common Ringlet
5/23 1 Williamsburg Flower Hill Farm - Carol Duke
5/25 3 Sherborn - Michael Newton
5/26 12 NP - Bo Zaremba
5/28 59 Muir Meadow, Paxton - Elise Barry
5/29 5 Williamsburg Flower Hill Farm - Carol Duke
5/30 20 The Orway Property, W Newbury - Bo Zaremba
5/30 2 Moran WMA, Windsor - MBC trip

et al.
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5/24 2 W Newbury - Bo Zaremba  
5/25 10 BMB WS, Worcester - Wendy Miller, Barbara Volkle  
5/27 2 Berkshire County - Gagnon, Allen, Higgins  
5/31 5 Myles Standish State For. Carver - Matt Arey  
6/3 1 Petersham - Sue Cloutier  
6/4 1 Norfolk, Miller Street field - Madeleine Champagne  
6/14 1 Windsor - Steve Moore & Barbara Volkle  
7/31 1 Lee - Gae Hurley  

Sleepy Duskywing  
5/8 3 Correllus State Forest, West Tisbury - Matt Pelikan  
5/11 1 Pilgrim Heights, Truro - Joe Dwelly  
5/14 1 Dauphinais Park, Grafton - Steve Moore  
5/24 6 Correllus State Forest, West Tisbury - Matt Pelikan  
6/6 1 BMB WS, Worcester - Garry Kessler  
6/13 1 Dighton PL - MBC trip  
6/16 3 BMB WS, Worcester - Michael Newton  

Juvenal's Duskywing  
5/6 5 HPM, Woburn - Matt Arey  
5/7 1 Longmeadow - Karen Parker  
5/8 9 Correllus State Forest, West Tisbury - Matt Pelikan  
5/9 4 Weir Hill Res, N Andover - MBC trip  
5/11 6 Pilgrim Heights, Truro - Joe Dwelly  
5/12 4 Falmouth - Larry Barry  
5/12 1 Vineyard Haven - Matt Pelikan  
5/13 8 Weesboroah - Dawn Pulfiafico  
5/14 4 Wellfleet Bay WS, Wellfleet - Mark Faherty  
5/15 20 Shawme-Crowell St Pk, Sandwich - Bo Zaremba  
5/17 1 Fitzgerald Lake, Florence - Tom Gagnon et al.  
5/17 3 Quabbin Park, Belchertown - Mark Lynch & Sheila Carroll  
5/22 3 Holliston - Richard Hildreth  
5/24 16 Correllus State Forest, West Tisbury - Matt Pelikan  
5/24 4 Sherborn PL - Dawn Pulfiafico  
5/26 4 NP - Bo Zaremba  
5/30 3 North Adams, Mt. Greylock State Res. - MBC trip  
6/4 4 Borden Colony, Raynham - Joe Dwelly  
6/10 2 Crane WMA, Falmouth - Joe Dwelly  
7/3 1 S Berkshire NABA - Rene Laubach et al.  
7/15 1 Holliston - Richard Hildreth  

Horace's Duskywing  
5/15 1 Longmeadow - Karen Parker  
5/30 2 Old Town Hill, Newbury - Matt Arey  
5/31 15 Nasketucket Bay Reserve, Mattapoissett - Matt Arey  
5/31 10 Myles Standish State For. Carver - Matt Arey  
6/13 2 BMB WS, Worcester - Michael Newton  
7/3 1 GBH, Canton - Michael Newton  
7/11 1 Blackstone Valley NABA - Tom Dodd et al.  
7/18 1 Falmouth NABA - Alison Robb, et al.  
7/25 1 Nasketucket Bay Reserve, Mattapoissett - Michael Newton  
8/6 1 Crane WMA, Falmouth - Joe Dwelly  
8/9 3 MBWMA, Newbury - Marjorie Watson  
8/12 1 MBWMA, Newbury - Matt Arey  
9/16 1 Crane WMA, Falmouth - Joe Dwelly  
9/21 1 Northampton CG - Tom Gagnon, R & S Cloutier  

Common Checkered-Skipper  
9/12 1 Northampton CG - Tom Gagnon  
9/27 1 Pittsfield - Gae Hurley  
9/28 1 Northampton CG - Ron & Sue Cloutier  
10/4 1 Northampton CG - Bill & Nancy Callahan  

Common Sootywing  
5/8 1 Shrewsbury - Bruce deGraaf  
5/12 1 Leicester - Mark Rowden  
5/30 6 DCR Kristoff Farm, Sterling - Wendy Howes & Alan Rawle  
7/11 4 Concord NABA - Dick Walton et al.  
7/11 1 Blackstone Valley NABA - Tom Dodd et al.  
7/15 1 Amherst - Josh Rose  
7/25 8 Willow Farm, Ware - MBC trip  
7/28 2 Holliston - Richard Hildreth  
8/4 1 Amherst - Josh Rose  
9/5 1 Northampton CG - MBC trip  
9/6 1 Nasketucket Bay Reserve, Mattapoissett - Michael Newton  
9/27 2 F&W Rt1, Newbury - Matt Arey  

Arctic Skipper  
5/27 48 Berkshire County - Gagnon, Allen, Higgins  
5/29 1 Hubbardston - Wendy Howes  
5/29 1 Moran WMA, Windsor - Sue Cloutier  
5/30 1 Townsend State Forest - Bo Zaremba  
5/30 40 Moran WMA, Windsor - MBC trip  
6/14 4 Windsor - Steve Moore & Barbara Volkle  

Least Skipper  
6/13 1 Williamsburg Flower Hill Farm - Carol Duke  
6/13 3 Dighton PL - MBC trip  
6/13 1 Appleton Farms, Ipswich - Howard Hoope  
6/14 3 Field Farm, Williamstown - Steve Moore & Barbara Volkle  
6/17 10 FS WMA, Longmeadow - Bill Callahan  
6/22 7 Northfield - Mark Lynch & Sheila Carroll  
6/24 3 Borden Colony, Raynham - Joe Dwelly  
6/30 1 Chilmark - Matt Pelikan  
7/3 4 S Berkshire NABA - Rene Laubach et al.  
7/4 9 FS WMA, Longmeadow - Bill Callahan  
7/5 5 C Franklin NABA - Mark Fairbrother et al.  
7/12 2 CST, Northborough - MBC trip  
7/28 1 Holliston - Richard Hildreth  
7/31 1 Bart’s Cobbles, Sheffield - Russ Hopping  
8/9 15 Fowl Meadows, Milton - Michael Newton  
8/14 1 Wendell - Mark Lynch & Sheila Carroll  
8/18 1 Lakeville - Myer Bornstein  
8/29 1 Tyringham - Mark Lynch & Sheila Carroll  
9/3 8 FS WMA, Longmeadow - Bill Callahan  
9/16 4 FS WMA, Longmeadow - Bill Callahan  
9/26 4 Allens Pond Wildlife Sanctuary, Dartmouth - Matt Arey  
10/12 1 Cherry Hill Res, W Newbury - Tom Murray  
10/12 1 Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly  

European Skipper  
6/4 24 Borden Colony, Raynham - Joe Dwelly  
6/10 100 Tower Hill, Boylston - Wendy Miller  
6/12 29 MMP, Williamstown - Steve Moore & Barbara Volkle  
6/12 30 Muir Meadow, Paxton - Elise Barry  
6/13 21 Dighton PL - MBC trip  
6/14 8 Windsor - Steve Moore & Barbara Volkle  
6/20 2 Marston Mills Airport - Joe Dwelly  
6/25 36 WMWS, Princeton - Brian Cassie  
7/2 100 Thompson Fields, Harwich - Joe Dwelly  
7/3 362 S Berkshire NABA - Rene Laubach et al.  
7/5 88 N Worcester NABA - Wendy Howes et al.  
7/11 12 Truro - Faherty, Dwelly, Barry  
7/12 1 Wendmuth Meadow, N. Brookfield - MBC trip  
7/18 2 Pittsfield - Tom Gagnon, Harvey Allen  

Fiery Skipper  
9/15 1 White Horse Beach, Plymouth - Mark Faherty  
9/19 2 Allens Pond Wildlife Sanctuary, Dartmouth - Steve Moore & Barbara Volkle  
9/21 1 Florence - Tom Gagnon, R & S Cloutier  
9/26 1 Allens Pond Wildlife Sanctuary, Dartmouth - Matt Arey  
9/27 1 Wayland - Michael Newton  
10/11 2 Endicott Road, Middleton - Matt Arey  

Leonard's Skipper  
9/3 1 Wellfleet Bay Ws, Wellfleet - Mark Faherty  
9/5 4 BMB WS, Worcester - Bruce deGraaf  
9/5 1 Tully Dam, Royalston - Rick Chech et al.  
9/16 3 Crane WMA, Falmouth - Joe Dwelly  
9/26 1 Allens Pond Wildlife Sanctuary, Dartmouth - Matt Arey  
10/6 1 AP Field Station, Dartmouth - Michael Newton  

Colweb Skipper  
5/15 6 Edgartown - Matt Pelikan  
5/24 6 Correllus State Forest, West Tisbury - Matt Pelikan  

Indian Skipper  
5/26 3 NP - Bo Zaremba  
5/30 6 The Ordway Property, W Newbury - Bo Zaremba  
5/31 25 Myles Standish State For. Carver - Matt Arey  
6/13 1 Appleton Farms, Ipswich - Howard Hoope
**Peek's Skipper**

5/24 3 Longmeadow - Karen Parker  
5/28 2 Holliston - Richard Hildreth  
5/29 7 Sherborn - Michael Newton  
5/29 7 Brewster Public Gardens, Brewster - Joe Dwelly  
5/30 4 Cherry Hill Res, W Newbury - Bo Zaremba  
6/3 16 Winchendon - Mark Lynch & Sheila Carroll  
6/4 48 Borden Colony, Raynham - Joe Dwelly  
6/4 1 MBWMA, Newbury - Joe & Sharon Stichter  
6/5 2 T TOR Cedar River, Millis - Madeline Champagne  
6/5 1 Amherst - Josh Rose  
6/10 8 Marston Mills Airport - Joe Dwelly  
6/11 200 Cow Common CA, Wayland - Michael Newton  
6/12 6 MPP, Williamstown - Steve Moore & Barbara Volke  
6/13 7 Dighton PL - MBC trip  
6/13 1 Williamsburg Flower Hill Farm - Carol Duke  
6/14 6 BMB WS, Worcester - Bill & Nancy Callahan  
7/11 20 Williamstown - Terri Armata  
7/24 2 E Longmeadow - Karen Parker  
7/25 1 Eastham - Joe Dwelly et al.  
7/26 2 IRP, N Reading - Linda Ireland  
7/27 4 Holliston - Richard Hildreth  
7/30 1 Somerset - Don Gagnon  
8/3 3 Sheffield, Project Native-Housatonic - Bill & Nancy Callahan  
8/3 12 Holliston - Richard Hildreth  
8/5 15 Borden Colony, Raynham - Joe Dwelly  
8/6 16 E Longmeadow - Karen Parker  
8/7 10 Nasketucket Bay Reserve, Mattapoisett - Matt Arey  
8/12 3 MBWMA, Newbury - Matt Arey  
8/13 2 Amherst - Josh Rose  
8/13 2 Arnold Arboretum, Boston - Lucy Merrill-Hills  
8/19 1 Norton - Myer Bornstein  
8/22 3 Sandisfield - Mark Lynch & Sheila Carroll  
8/26 3 Holliston - Richard Hildreth  
8/30 10 Sherborn PL - MBC trip  
9/5 10 Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly  
9/6 10 Nasketucket Bay Reserve, Mattapoisett - Michael Newton  
9/19 2 Nahant -Bo Zaremba  
9/27 3 E&W Rt 1, Newbury - Matt Arey  
10/8 1 W Meadows, Northampton - Tom Gagnon, Betsy Higgins  
10/13 1 Holliston - Richard Hildreth  

**Tawny-edged Skipper**

5/22 4 Holliston - Richard Hildreth  
5/27 1 E Longmeadow - Karen Parker  
5/28 3 Sherborn - Michael Newton  
5/29 1 Brewster Public Gardens, Brewster - Joe Dwelly  
6/4 1 FS WMA, Longmeadow - Bill Callahan  
6/6 1 BMB WS, Worcester - Garry Kessler  
6/13 3 Dighton PL - MBC trip  
6/14 10 Northampton - Steve Moore & Barbara Volke  
6/24 6 Borden Colony, Raynham - Joe Dwelly  
7/3 1 Edgartown - Mel Pelikan  
7/11 1 Williamsstown - Terri Armata  
7/23 5 Holliston - Richard Hildreth  
7/26 4 E Longmeadow - Karen Parker  
8/1 1 Sheffield, Project Native-Housatonic - Bill & Nancy Callahan  
8/5 2 Borden Colony, Raynham - Joe Dwelly  
8/8 10 Holliston - Richard Hildreth  
8/14 1 LPWS, Barnstable - Joe Dwelly  
8/18 2 E Longmeadow - Karen Parker  
8/25 2 Holliston - Richard Hildreth  
8/31 1 Moore SP, Paxton - Elise & Karl Barry  
9/5 1 Allens Pond Wildlife Sanctuary, Dartmouth - Lauren Miller-Donnelly  
10/11 2 Endicott Road, Middleton - Matt Arey  

**Crossline Skipper**

6/22 2 CST, Northborough - Steve Moore  
6/30 1 W Tisbury - Matt Pelikan  
7/3 1 E Longmeadow - Karen Parker  
7/5 2 C Franklin NABA - Mark Fairbrother et al.  
7/5 4 Mashpee - Erik Nielsen, Peter Trimble  
7/5 3 N Worcester NABA - Wendy Howes et al.  
7/11 12 Blackstone Valley NABA - Tom Dodd et al.  
7/11 7 Truro - Faherty, Dwelly, Barry  
7/17 1 Holliston - Richard Hildreth  
7/22 1 E Longmeadow - Karen Parker  
7/24 1 Holliston - Richard Hildreth  
7/25 2 Nasketucket Bay Reserve, Mattapoisett - Michael Newton  
7/25 1 Wellfleet - Joe Dwelly et al.  
8/1 1 BMB WS, Worcester - MBC trip  
8/8 1 Holliston - Richard Hildreth  

**Long Dash**

5/25 1 W Tisbury - Matt Pelikan  
5/30 1 The Ordway Property, W Newbury - Bo Zaremba  
5/30 10 Highland Farm, Belmont - Mark Rainey  
6/4 1 Weir Hill Res, N Andover - Howard Hoople  
6/12 8 Muir Meadow, Paxton - Elise Barry  
6/27 2 Highland Farm, Belmont - Mark Rainey  
7/2 6 Thompson Fields, Harwich - Joe Dwelly  
7/11 S Berkshire NABA - Rene Laubach et al.  
7/5 3 C Franklin NABA - Mark Fairbrother et al.  
9/16 1 Crane WMA, Falmouth - Joe Dwelly  

**Northern Broken-Dash**

6/27 2 GBH, Canton - MBC trip  
7/3 2 S Berkshire NABA - Rene Laubach et al.  
7/3 4 GBH, Canton - Michael Newton  
7/5 1 Mashpee - Erik Nielsen, Peter Trimble  
7/5 24 C Franklin NABA - Mark Fairbrother et al.  
7/13 11 Blackstone Valley NABA - Tom Dodd et al.  
7/11 37 Williamstown - Terri Armata  
7/11 1 E Longmeadow - Karen Parker  
7/16 2 Truro - Faherty, Dwelly, Barry  
7/16 1 Roslindale, Boston - Lucy Merrill-Hills  
7/18 3 Pittsfield - Tom Gagnon, Harvey Allen  
7/18 4 Falmouth NABA - Alison Robb, et al.  
7/19 31 Northampton NABA - Mark Fairbrother et al.  
7/19 4 Leicester - MBC trip  
7/22 1 Lake Wampanoag WS, Gardiner - MBC trip  
7/24 2 Hubbardston - Wendy Howes  
7/25 36 Bristol NABA - Mark Mello  
7/25 1 Attleboro - Kathleen Walker  
7/25 6 Wellfleet - Joe Dwelly et al.  
7/31 3 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico  
8/1 2 Bart’s Cobble, Sheffield - Bill & Nancy Callahan  
8/5 1 E Longmeadow - Karen Parker  
8/6 7 Crane WMA, Falmouth - Joe Dwelly  
8/12 3 MBWMA, Newbury - Matt Arey  
8/14 1 Holliston - Richard Hildreth  
8/14 2 LPWS, Barnstable - Joe Dwelly  

**Little Glassywing**

6/21 2 E Longmeadow - Karen Parker  
6/26 1 MFB, Sharon - Madeline Champagne  
6/27 3 Highland Farm, Belmont - Mark Rainey  
7/2 5 Wrentham - Madeline Champagne  
7/3 15 GBH, Canton - Michael Newton  
7/3 19 S Berkshire NABA - Rene Laubach et al.  
7/5 29 N Worcester NABA - Wendy Howes et al.  
7/5 28 C Franklin NABA - Mark Fairbrother et al.  
7/9 2 Royalston - Steve Moore  
7/11 15 Blackstone Valley NABA - Tom Dodd et al.  
7/11 6 North Adams, M Greylock State Res. - Tom Gagnon et al.  
7/13 4 Breakneck Hill Conservation Land, Southborough - Dawn Puliafico  
7/19 8 Northampton NABA - Mark Fairbrother et al.  
7/23 1 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly  

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7/25  1 Harwich - Joe Dwelly et al.
8/7  1 Hubbardston, Mt. Jefferson Cons. Area - Wendy Howes
8/9  1 Fowl Meadows, Milton - Michael Newton
8/16 1 Holliston - Richard Hildreth

Sachem
6/10  4 Crane WMA, Falmouth - Joe Dwelly
7/18 1 Falmouth NABA - Alison Robbins, et al.
8/7 1 Nasketucket Bay Reserve, Mattapoisett - Matt Arey

Delaware Skipper
6/30 1 Willow Farm, Ware - Wendy Howes
7/3 2 S Berkshire NABA - Rene Laubach et al.
7/5 1 MBWMA, Newbury - Marjorie Watson
7/5 10 C Franklin NABA - Mark Fairbrother et al.
7/9 1 Florence - Tom Gagnon & Betsy Higgins
7/10 5 Sheffield - Matt Arey
7/11 40 Blackstone Valley NABA - Tom Dodd et al.
7/11 4 North Adams, Mt. Greylock State Res. - Tom Gagnon et al.
7/13 1 Holliston - Richard Hildreth
7/18 5 Pittsfield - Tom Gagnon, Harvey Allen
7/19 4 Northampton NABA - Mark Fairbrother et al.
7/25 1 Welfleet - Joe Dwelly et al.

Mulberry Wing
7/2 1 Wrentham - Madeline Champagne
7/5 2 Boxford - Russ Hooping
7/6 3 CST, Westborough - Steve Moore
7/8 3 MBWMA, Newbury - Matt Arey
7/9 5 Tower Hill, Boylston - Wendy Miller
7/10 1 Sheffield - Matt Arey
7/11 34 Blackstone Valley NABA - Tom Dodd et al.
7/11 30 Concord NABA - Dick Walton et al.
7/12 17 Sudbury - Moore, Kessler, Reid
7/13 1 Wrentham - Madeline Champagne
7/18 1 Pittsfield - Tom Gagnon, Harvey Allen
7/19 10 Northampton NABA - Mark Fairbrother et al.
8/9 1 Fowl Meadows, Milton - Michael Newton
8/9 1 Williamstown - Mark Lynch & Sheila Carroll

Hobomok Skipper
5/25 10 BMB WS, Worcester - Wendy Miller, Barbara Volkle
5/26 5 Williamsburg Flower Hill Farm - Carol Duke
5/27 3 Berkshire County - Gagnon, Allen, Higgins
5/27 2 World’s End, Hingham - Greg Dysart
5/30 20 DCR Kristoff Farm, Sterling - Wendy Howes & Alan Rawle
6/4 3 FS WMA, Longmeadow - Callahan
6/4 1 MBWMA, Newbury - Joe & Sharon Stichter
6/6 2 E Longmeadow - Karen Parker
6/7 1 Otis - Moe O’Connor
6/10 5 Tower Hill, Boylston - Wendy Miller
6/11 3 Williamsburg Flower Hill Farm - Carol Duke
6/14 6 BMB WS, Worcester - Bill & Nancy Callahan
7/1 3 DCR Kristoff Farm, Sterling - Wendy Howes
7/5 1 C Franklin NABA - Mark Fairbrother et al.

Zabulon Skipper
5/30 1 Acoxet - Mark Lynch & Sheila Carroll
5/30 3 Holliston - Richard Hildreth
5/31 10 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
6/6 1 E Longmeadow - Karen Parker
6/7 5 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly
6/13 2 BMB WS, Worcester - Michael Newton
6/24 1 Borden Colony, Raynham - Joe Dwelly
7/15 1 Holliston - Richard Hildreth
7/25 1 E Longmeadow - Karen Parker
8/1 1 Sheffield, Project Native-Housatonic - Bill & Nancy Callahan
8/9 6 Fowl Meadows, Milton - Michael Newton
8/12 2 MBWMA, Newbury - Matt Arey
8/13 1 Roslindale, Boston - Lucy Merrill-Hills
8/28 1 E Longmeadow - Karen Parker
9/1 6 Nasketucket Bay Reserve, Mattapoisett - Joe Dwelly
9/6 5 Nasketucket Bay Reserve, Mattapoisett - Michael Newton
9/15 2 AP Allen’s Neck, Dartmouth - Lauren Miller-Donnelly et al.
9/19 1 Nahant - Bo Zaremba

Broad-winged Skipper
7/3 1 Westborough WMA - Wendy Miller
7/3 1 S Berkshire NABA - Rene Laubach et al.
7/9 3 CST, Northborough - Steve Moore
7/10 2 Sheffield - Matt Arey
7/11 1 Provincetown - Faherty, Dwelly, Barry
7/11 1 Blackstone Valley NABA - Tom Dodd et al.
7/12 1 Sudbury - Moore, Kessler, Reid
7/19 2 Northampton NABA - Mark Fairbrother et al.
7/25 7 Welfleet - Joe Dwelly et al.
8/1 1 AP, Dartmouth - Myer Bornstein
8/1 1 BMB WS, Worcester - Steve Moore
8/7 2 Nasketucket Bay Reserve, Mattapoisett - Matt Arey
8/8 1 Alewife Res., Cambridge - Rosemary Mosco
8/9 10 Plum Island, Newbury - Matt Arey
9/7 1 Allens Pond Wildlife Sanctuary, Dartmouth - Erik Nielsen

Dion Skipper
7/9 5 Florence - Tom Gagnon & Betsy Higgins
7/10 2 Hinsdale - Gagnon, Moore, Volkle
7/10 3 Sheffield - Matt Arey
7/11 1 Hampshire County - Ron & Sue Cloutier
7/18 5 Pittsfield - Tom Gagnon, Harvey Allen

Black Dash
7/8 1 MBWMA, Newbury - Matt Arey
7/10 5 Sheffield - Matt Arey
7/11 3 Blackstone Valley NABA - Tom Dodd et al.
7/11 8 Concord NABA - Dick Walton et al.
7/12 2 Sudbury - Moore, Kessler, Reid
7/19 2 Northampton NABA - Mark Fairbrother et al.

Two-spot Skipper
7/10 2 Peru - Gagnon, Moore, Volkle

Dun Skipper
6/22 4 Montague - Mark Lynch & Sheila Carroll
7/3 6 Edgartown - Matt Pelikan
7/5 25 C Franklin NABA - Mark Fairbrother et al.
7/5 9 Meshpee - Erik Nielsen, Peter Trimble
7/11 22 Concord NABA - Dick Walton et al.
7/11 19 Blackstone Valley NABA - Tom Dodd et al.
7/11 22 Truro - Faherty, Dwelly, Barry
7/12 2 MMP, Williamstown - MBC trip
7/16 3 Tower Hill, Boylston - Wendy Miller
7/17 2 Leicester - Mark Rowden
7/18 18 Pittsfield - Tom Gagnon, Harvey Allen
7/19 41 Northampton NABA - Mark Fairbrother et al.
7/22 6 Holliston - Richard Hildreth
7/25 14 Willow Farm, Ware - MBC trip
7/25 8 Bristol NABA - Mark Mello
7/27 1 E Longmeadow - Karen Parker
7/29 1 Greenfield - Erica Burns
8/1 1 Bart’s Cobble, Sheffield - Bill & Nancy Callahan
8/1 1 BMB WS, Worcester - Steve Moore
8/1 6 Winchendon - Mark Lynch & Sheila Carroll
8/7 1 Hubbardston, Mt. Jefferson Cons. Area - Wendy Howes
8/9 2 Holliston - Richard Hildreth
8/10 1 World’s End, Hingham - Greg Dysart

Dusted Skipper
5/24 6 Holyoke - MBC trip
5/24 1 Paxton - Kristin Steinmetz
5/24 5 Correllus State Forest, West Tisbury - Matt Pelikan
5/27 1 World’s End, Hingham - Greg Dysart
5/29 8 Crowe’s, Dennis - Joe Dwelly
5/30 4 Highland Farm, Belmont - Mark Rainey
5/30 14 Myles Standish State For. Carver - Joe Dwelly
6/7 3 Norfolk, Miller Street field - Madeline Champagne
6/13 1 Dighton PL - MBC trip
6/14 3 Northampton - Steve Moore & Barbara Volkle
6/17 1 BMB WS, Worcester - Steve Moore
6/20 1 Crane WMA, Falmouth - MBC trip

Pepper and Salt Skipper
5/27 1 Berkshire County - Gagnon, Allen, Higgins
5/28 3 Oxbow NWR, Harvard - Tom Murray
5/30 1 Highland Farm, Belmont - Mark Rainey
The Butterfly That Stamped
by Rudyard Kipling

There was never a Queen like Balkis,
From here to the wide world’s end;
But Balkis talked to a butterfly
As you would talk to a friend.

There was never a King like Solomon
Not since the world began;
But Solomon talked to a butterfly
As a man would talk to a man.

She was Queen of Sabea--
And he was Asia’s Lord--
But they both of ‘em talked to butterflies
When they took their walks abroad!

Atlantis Fritillary
(Speyeria atlantis),
7/5/15, Lenox, MA,
Bill & Nancy Callahan
EARLY AND LATE SIGHTINGS—AN UPDATE
by Sharon Stichter

The four tables below show the new earliest and latest sighting reports based on 2014 and 2015 records. These tables update the list of earliest and latest dates shown on the Butterflies of Massachusetts (BOM) website. For details of the prior record sightings, and flight advancement in some species, check the species account on the website: www.butterfliesofmassachusetts.net.

The vast majority of these records are the same as those in the Massachusetts Butterfly Club database, which are reported in the Season Summary. In addition, for recent years the photographic records on BAMONA (www.butterfliesandmoths.org), and the photos and reports of the Massachusetts Butterflies Facebook group are also included in these tables.

The Club’s 25 years of active butterfly observation have set many early and late records, and the database—as summarized by the flight charts on the MBC checklist—by now probably pretty accurately reflects the real flight periods of our butterflies. The downside of this is that the existing early and late records are now going to be pretty hard to beat!

When a species starts showing new early and late sightings now, it’s a good bet that this reflects either lengthening of the flight period due to climate warming, or the arrival and expansion of new southern species, also due to climate warming. A case in point is the recently arrived Red-banded Hairstreak, which set both new early and new late records in 2015. On the other hand, if we are seeing a species begin its flight later than in the past, or cut short the end of its flight period, it may be that that species is declining in numbers, and/or contracting its range. This could be the case with Atlantis Fritillary and Harris’ Checkerspot (see Tables II and IV). Such inferences assume, of course, that we butterfly watchers have put forth a consistent amount of effort from year to year.

Interpreting the meaning of first and last sightings can be tricky. If a first sighting report is followed up fairly quickly by other reports in the next few days, it is probable that the first report really did represent the onset of the flight period. But if a first report is very far ahead of succeeding reports, that may signal that something unusual is going on.
—perhaps an isolated hotspot causes an early emergence, or perhaps the report is more wishful thinking than accurate observation. This is why most scientific studies of flight period do not rely on single reports; rather they take an average of, say, the first 5% of reports for that species, and the last 5% for late dates. In the tables below, and on the BOM website, strong “outlier” early and late reports have not been omitted; instead two or more sighting dates are shown, to illustrate the range of variation.

Many recent early records were set during the particularly warm springs of 2010 and 2012, as can be seen in Tables I and II. In the main, 2014 and 2015 early reports did not surpass these dates; only Sachem and Red-banded Hairstreak set significant new early records. The late records in Table III are more numerous, showing species such as Black Swallowtail, Giant Swallowtail, Red Admiral, and Monarch lingering during our warm autumns, setting new records. The late American Ladies seen on Nahant almost set a record—they didn’t surpass Nantucket’s late date, but they did apparently beat Martha’s Vineyard! A final note is that, for two years in a row, 2013 and 2014, single fresh Baltimore Checkerspots were found in mid-October at Allen’s Pond in south Dartmouth. The species normally finishes its flight here by the end of July, and is not known to have even a partial second brood anywhere in its range. But occasional mis-timed emergences can happen, or perhaps these individuals were releases from indoor artificial breeding. Whatever the case, these two “outlier” reports are definitely interesting and unusual.

### TABLE I: Earliest Sightings: New Records and Near Records

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<td>Leonard’s Skipper</td>
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**TABLE II: Earliest Sightings: Selected Species and Species not on BOM**
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<td>Banded Hairstreak</td>
<td>8/20/1992, Foxboro, B. Cassie</td>
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**TABLE IV: Latest Sightings: Selected Species and Species not on BOM**
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<th>Date/Location Details</th>
<th>Date/Location Details</th>
<th>Date/Location Details</th>
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<td>Juniper Hairstreak</td>
<td>8/19/2003, Dennis, T. and C. Dodd</td>
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<td>Atlantis Fritillary</td>
<td>9/20/1999, Milford, R. Hildreth</td>
<td>8/20/2014, Windsor, S. Cloutier (ph)</td>
<td>8/14/2015, Peru, G. Hurley (ph)</td>
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<td>Little Wood-Satyr</td>
<td>8/24/2009, Canton, S. Jaffe</td>
<td>8/10/2014, Mattapoisett, L. Miller-Donnelly</td>
<td>8/15/2015, Ware, W. Howes et al.</td>
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<td>Collection Dates</td>
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<td>Hobomok Skipper</td>
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<td>Zabulon Skipper</td>
<td>10/16/2012, Westport, L. Miller-Donnelly</td>
<td>10/10/2014, Dartmouth, S. Moore/B. Volkle</td>
<td>9/19/2015, Nahant, B. Zaremba (ph)</td>
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</tbody>
</table>
Banana Bait Feeder

by Richard W. Hildreth

Many species of butterflies as well as many moths, beetles, bees, wasps and flies are strongly attracted by sugary baits. At my primitive cabin in Steuben, ME, I have attracted the following butterfly species with various sugary baits: Question Mark, Red Admiral, Mourning Cloak, Eastern Comma, Gray Comma, Compton Tortoiseshell, White Admiral, Northern Pearly-Eye, Eyed Brown and Common Wood Nymph (both yellow-eyed and dark-eyed forms).

Just about any sugary solution will attract insects. Hummingbird feeder solution (4 cups of water, 1 cup of sugar) works just fine. Most hummingbird feeders can easily be modified into good insect feeders. The hummingbird feeder manufacturers try to make the feeders insect proof by making the holes through which the hummers sip the solution as small as possible. I have modified all my hummingbird feeders by drilling out the feed holes to 1/4 inch size. This allows all the sugar solution seeking insects to get at the sugar solution. The hummingbirds don’t seem to mind (however, there are some interesting hummingbird-wasp battles). I would guess (I haven’t tried it) that modified hummingbird feeders filled with “high test” moth bait solution would make great moth feeders.

Besides sugar solutions, sugar in overripe fruit becomes a powerful butterfly attractant. In my earlier days, I used to go frequently on overseas birding trips. These trips sometimes brought me to Amazonian South America and jungle birding lodges. These lodges always had butterfly houses where they raised butterflies for export (mostly to the USA). They always had plenty of live adult butterflies to show their guests. To feed all these butterflies they used bananas. Bananas cut longitudinally were put out, and in the tropical heat the bananas were soon overripe. The butterflies all eagerly feed on them. This gave me the idea of trying bananas as butterfly bait in Maine. I cut some bananas and put them out. I was not disappointed; lots of butterflies were attracted. However, various naughty mammals were also attracted: Eastern Chipmunks
by day and Raccoons, etc. by night. It soon became clear that I had to do some engineering/construction and produce a proper Banana Bait Feeder.

The feeder that I designed and built is as follows (see Figure 1, p. 50): A plywood platform (12” x 12” x 1/2” thick) is fastened securely to a post. A sturdy frame is built with enough clearance to allow the frame to fit easily over the plywood platform. To the frame is stapled a piece of 1/4” galvanized hardware cloth. Some screw eyes are put in the frame and in the post. Overripe bananas are cut longitudinally and placed cut side up on the plywood platform. The screen-frame is placed over the plywood platform and lowered so the screen rests on the cut bananas. The frame is secured to the post by use of small bungee cords. The bananas will last 2 days to a week, depending how overripe they are, the temperature, how fast they are eaten, etc. Bananas are expensive, so it is worthwhile to look for special deals on overripe bananas which some stores offer. Slices of watermelon can also be used with good results in these feeders. Around the 4th of July, stores often overstock with watermelons and soon the price falls, making them a good source of butterfly bait.

During the day great numbers of flies, bees, and wasps are attracted to the banana feeder; a great chance to count, collect, and photograph. Some interesting beetles are also attracted. After dark many moths are attracted, many times species not attracted by my mercury vapor lights. Hummingbirds occasionally stop to feed on the bananas. So far, the feeders have kept the marauding mammals at bay.

The banana Bait Feeder seems to be one of my “good ideas” that actually works. See p. 28 for photos of the feeder in action.

Gray Comma (Polygonia progne), 8/1/15, Berkshire Co., Bill & Nancy Callahan
Fig. 1

Banana Bait Feeder

1/4" galvanized hardware cloth stapled to frame

Small bungee cords are fastened to these screw eyes

Sturdy frame built with enough clearance to allow the frame to fit easily over the plywood platform

Plywood platform. (~12" x 12", 1/2" plywood) Fastened to post.

Bananas

Fig. 1
2015 Donor-Volunteers

Monetary and in-kind contributions include donating money; donating goods to be sold, auctioned, or used for the club’s benefit; donating the cost of a good or service; other donations.

Volunteer Services includes leading field trips or counts; working for the Barbara J. Walker Butterfly Festival; manning the MBC table at Mass Land Trust Conference or other events; helping set up or clean up at the Pot Lucks; running the MBC Monarch Guardian Program; providing products for the club to sell or auction or distribute; leading walks for, or speaking to, trusts or other organizations; conducting butterfly institutes; contributing articles and photos to the club’s journal; other services. Apologies to anyone we inadvertently missed.

### Monetary and In-Kind Contributions

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Collective Copies, Florence, MA

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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 31 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 15** (or earlier if possible!) 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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Matt Pelikan, Oak Bluffs, MA

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Joey Hoople at the Barbara Walker Butterfly Festival, 8/9/15, Mass Audubon’s Broad Meadow Brook, Worcester, MA, Marjorie Watson

Don Adams and Baltimore Checkerspot (*Euphydryas phaeton*) caterpillar cages, Adams Farm, West Bridgewater, MA