Massachusetts Butterflies

Spring 2021, No. 56
Massachusetts Butterflies is the semiannual publication of the Massachusetts Butterfly Club, a chapter of the North American Butterfly Association. Membership in NABA-MBC brings you American Butterflies and Butterfly Gardener. If you live in the state of Massachusetts, you also receive Massachusetts Butterflies, and any mailings of field trips, meetings, and NABA Counts in Massachusetts. Out-of-state members of NABA-MBC and others who wish to receive a print copy of Massachusetts Butterflies may order it from our secretary for $7 per issue, including postage; details are on the website. Regular NABA dues are $35 for an individual, $45 for a family, and $70 outside the U.S, Canada, or Mexico. Send a check made out to “NABA” to: NABA, 4 Delaware Road, Morristown, NJ 07960.

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Cover photo:
Eastern Tiger Swallowtail (Papilio glaucus), the NABA-MBC’s official symbol (Happy 30th Anniversary!), 7/27/20, Shrewsbury, MA, Bruce deGraaf

Southern Cloudywing (Thorybes bathyllus), 6/26/20, Falmouth, MA, Michael Newton
2020 was a year of tough challenges for everyone. Covid-19 has left an indelible mark. In our Fall 2020 issue, we reflected on some of those challenges, and also some of the ways that 2020 surprised us with unexpected pleasures and new insights and experiences.

It’s probably safe to say that 2021 is going to be a year of Hope. Hope that we can start to put some of the difficulties—and even tragedies—of 2020 behind us. Hope that vaccines will make a real difference in our abilities to get out and be more social. Hope that life might start to feel more “normal”.

As we go to press in late March, though, it’s still somewhat unclear just what might be in store for this butterfly season to come. Vaccines are rolling out, and some restrictions are slightly easing, on the one hand. On the other hand, disease resurgence in some parts of the world is reminding us that we aren’t through this yet. There may be sun and blue sky on the horizon, but the weather is still quite unsettled.

But one thing is clear, as it always is—Spring is upon us! The world has reliably continued to turn, the snow is melted (mostly), the Vernal Equinox has arrived. The days are getting longer, the sun is getting stronger, and the first butterflies—Mourning Cloaks, Commas, Azures—have already been reported. The field season has begun again! The butterflies will be flying, and we’ll be eager to get out and hike and record and photograph and watch and ponder and rejoice that another summer has arrived.
Another milestone is also clear: 2021 is the 30th Anniversary of the NABA-Massachusetts Butterfly Club! And in honor of this occasion, Brian Cassie, the founder of NABA-MBC, has proposed a more upbeat and positive challenge, an idea that we’re calling the Thirty for Thirty Challenge. Brian’s idea, which has been embraced by the club officers, is to have every club member, every Massachusetts butterflier, spend 30 hours of volunteer time this season doing something for butterflies. He can tell you in his own words:

“In this thirtieth year of the Massachusetts Butterfly Club, I write to the club members with a request; that is, to please devote thirty hours to butterfly conservation in 2021. There are so many ways to help butterflies and their habitats. Included among these are:

• planting larval food plants and butterfly nectar plants in appropriate habitats
• volunteering work at existing butterfly gardens
• working with town conservation commissions on improving butterfly habitats or censusing butterflies
• working with the Massachusetts Butterfly Club, Mass Audubon, The Trustees, or other nature organizations on butterfly conservation projects/butterfly censuses
• finding a new butterfly spot in your town, recording butterflies there, and sharing your finds with the club
• helping Garry Kessler with monitoring Acadian Hairstreaks statewide [see Garry’s note on p.5] or doing anything else that helps Massachusetts butterflies”

The ideas, as you can see, are endless—Plant a garden, even a small one. Lead field trips. Introduce young (or old!) people to butterflying. Speak or write or share with others your knowledge about butterflies. Volunteer for some habitat restoration—Brian has a summary on p.20 of a project he’s been spearheading in Foxboro. Act locally. Work more globally for butterflies and their habitat. Write letters. Teach a class. Survey some
habitat and report your findings; maybe there’s a local patch that you could visit every couple of weeks throughout the season and monitor the butterfly populations and report that to the club’s database. Help Danielle Desmarais survey for Hessel’s Hairstreaks; email a club officer to ask how. Or maybe there’s some place(s) that you’ve wanted to check out and record the butterflies there, but just haven’t done it yet—this could be the year!

At least in our own space, maybe we can push a bit beyond the pandemic this year, and turn our minds and our bodies in some more positive directions. A little exercise wouldn’t hurt, and we’re also looking forward to the mental stimulation of moving our butterflying along some new paths. If we get the chance to meet some new butterfly friends, so much the better!

Your editor has one more request. Keep a log of what you do. Keep it fun, spend the summer doing your thing, and also think about a paragraph or two, and some photos, that you can share at the end of the season about what you did, and what you learned, and what you liked the most. We’ll publish these shared experiences in the Fall issue, and we can all enjoy the satisfaction of hearing about everyone’s great Summer of 2021.

On behalf of Brian Cassie, and the club officers, thanks in advance—for all you do for butterflies, and for all of the positive impacts we’ll have on butterflies, butterflyers, and butterfly habitat this coming season. Enjoy!

Martha Gach, President
Bill Benner, Editor

[Image of Common Wood Nymph (Cercyonis pegala), 7/15/20, Upton, MA, Garry Kessler]
2021 Search for Acadian Hairstreaks

by Garry Kessler

I’m writing to you here because I’d like your help in a search for Acadian Hairstreaks (*Satyrium acadica*) in Massachusetts [Garry’s photo below; see a color ID photo by Garry on p. 22].

Background:

It appears that Acadian Hairstreaks have declined in MA. A question is whether or not any remaining populations merit state conservation protection. I’ve been in touch with Mike Nelson of NHESP, and he suggested that a multi-year study would be useful. Perhaps 5 years of searching both known and potential sites.

A few questions:

1) Would you be interested in helping with such a study?
2) Are there specific locations or people you’d recommend for inclusion?
3) If you are interested in helping are there specific locations you will check?
Study data:

I believe we need to collect the following information for sites of interest:

- specific location, date, conditions (sun / temp / wind)
- count (and other species of interest)
- habitat (host plant and nectar availability)
- threats to the site (human disturbance, development, ...)

Non-disclosure agreements are not required for this study. However, data collected for this study should be closely held within the study to allow for maximum protect should the butterfly merit state protection.

Any data published for general consumption will be published only at the county level.

This spring I expect I’ll post a general solicitation to MassLep including the following additional information.

Acadian hairstreak habitat: generally near wet areas with willow, such as wet meadows, streams and pond edge.
Host plants: willows
Nectar: milkweed, NJ tea, dogbane
Flight period: mid-June to mid-August, peak 2nd week of July.

Please send all search data, positive and negative to Garry Kessler, gkessler001@aol.com

Thank you for your help.
Garry
Although our first records were in early March, things really didn’t get going until the first week of April. May and most of June were reasonable, but by the time the 4J counts kicked in in July it was once again almost dangerously hot and dry. It stayed that way into the fall, but then parts of the state were hit by an early frost in the second half of September, which knocked down numbers and shortened the flight season for several species, at least in western and northern parts of the state.

The season’s first reports were on March 3rd, when an Eastern Comma and Mourning Cloaks were found in four widespread locations in the east, a Mourning Cloak was abroad in Amherst on the 5th, and on the 9th, the same two species were widely reported from various Worcester Co. and CRV locations. The first Berkshire Co. report didn’t come until the end of the month. The late records for 2020 were on November 21, when five different species were reported (one each) from five different towns by five different people. 2020 was not much of an incursion year for southern species into our area. Inland, the hot spots were again the Northampton Community gardens, the Fannie Stebbins refuge in Longmeadow, Sheffield, and earlier in the season, the Montague Plains. In the east, the Worcester/Shrewsbury area, the Newbury area, Boston and Westport/Dartmouth attracted watchers’ attention.

Just under 7,500 records were submitted for 2020, a considerable drop off from the 8,800 records for the 2019 season. These included reports for 104 species. The COVID-19 situation wiped out most of the MBC field trip schedule until a few trips happened in the fall. It may have also had a lesser impact on the 4J counts and activities by independent observers. Kind of like an election, each year, observers in MA find the same 102 or so species, and in the end it comes down to a handful of “swing species” to determine our final total for the year. The species didn’t swing much in 2020.
American Snout and Hessel’s Hairstreak went unreported. Such fun species as Gray Comma, Red-banded Hairstreaks, Long-tailed, Fiery, Sachem and Ocola Skippers have become pretty solid annual acquaintances, at least in sometimes limited areas. Birders have things like gulls, terns and shorebirds to provide potential high excitement, but the game is much more limited for butterfiles. Generally, numbers of many species were noticeably lower this year.

If you post sightings on-line (MassLep and Facebook) during the season and then send them to me in a group of records post-season, please indicate which records, if any, were posted earlier especially on MassLep, and which were not. People submit reports one way or another; either by posting them on the MassLep butterfly list server, sending them directly to me, or posting their sightings on the Facebook page. I’d prefer receiving them in that order, but of course I’ll take them anyway I can get them. 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 and keeping in mind the space restrictions we have, I take the earliest report and the latest, the highest number reported, then try to pick records based on location across the state and throughout the season, and finally by observer. I do give small preference to records from new contributors and/or new locations and after that spread credit around generally. After that I refer back to location and time.

SWALLOWTAILS

Giant Swallowtail was widely reported from mid-June on, but except for the species’ stronghold in the Sheffield area, reports were almost always of single individuals. Remember just a few years ago when any report of GISW in the state made news? There were only two reports of Pipevine Swallowtail, both in mid-September in the CRV. Eastern Tiger had another solid year, with many reports of numbers being seen from mid-May well though August,
with stragglers along the coast until late October! There were 14 Canadian Swallowtail reports, all from the western half of the state with the exception of one in West Bridgewater. While Spicebush Swallowtail was often and widely reported, the vast majority of sightings were of 1 or 2 individuals.

WHITES AND SULPHURS

Cabbage White reports stabilized at about 700 in 2020, the same as 2019, in case anyone was worried about the species. Only three reports of West Virginia White were received, one each from Sunderland, Williamstown and North Adams. Mustard White reports were about normal, and all from Berkshire Co. except one from Wachusett Meadow on 24 September. Clouded Sulphur lasted until the middle of November, while Orange Sulphur had an awful year, at least as far as this observer is concerned. Usually less common early, and then building up numbers through the summer, outside the 4J counts and optimum habitats later in the season the Orange Sulphur remained well below normal. Cloudless Sulphur returned to the state on schedule in 2020, with 27 records from mid-August to late October, the large majority of the occurrences being within a few miles of the coast except for one in Holliston on September 25th.

GOSSAMER-WINGS

Harvesters are probably quite widespread across the state and occasionally locally common, but outside of the Mystic Lakes and the Stebbins Refuge in Longmeadow, good luck finding one.

American Copper reports were common and widespread across the state and season, while Bog Copper, a species which can be abundant in very restricted habitat, was reported five times. Bronze Copper was reported from mostly the expected sites to the end of September. There was only one report of Acadian Hairstreak, from the Central Berkshire 4J count. Coral Hairstreak was reported widely across the state. Edwards Hairstreak was reported more
widely in 2020, from Montague to Truro. Striped Hairstreak reports were up in 2020, and scattered sparsely across the state, from northern Berkshire Co. to Mattapoisett.

Frosted Elfin reports were about as usual: those feeding on *Baptisia* were relatively widespread in the east, while the lupine feeders continue to be reported from just a couple sites in the CRV. Bog Elfin was reported from Worcester Co. twice in 2020. Brown Elfin had few reports, mostly from the south east and Martha’s Vineyard. The only reports west of Worcester Co. were from the Montague area. Henry’s Elfin reports were down, and except for Wilbraham, all were from Worcester Co. eastward. Hoary Elfin reports were, as usual, limited to Plymouth and MV. Red-banded Hairstreak reports were up, with fifteen, most from the eastern third of the state, with one additional sighting being one photographed in Longmeadow in late August. There were four reports of Hickory Hairstreak, with three from Berkshire Co. and one (with photo) from Sharon. Only three White-M Hairstreak were reported, one each from Newbury, Gardner, and Williamsburg. Hessel’s Hairstreak was unreported, and Juniper Hairstreak was found seven times between Woburn, Holyoke and Mattapoisett. Gray Hairstreaks were reported widely from early May to mid-October, with an amazing 65 on the Falmouth 4J count. Early Hairstreak also had only one sighting in 2020. Spring Azure was well reported from the end of March to early July. Three of four Cherry Gall Azure reports were from Shrewsbury, with the other from Norfolk. Eighteen Silvery Blue reports ranged from Newbury to Williamstown, and Grafton to Holyoke.

**BRUSHFOOTED BUTTERFLIES**

The 2019 irruption of American Snouts into the state was not repeated. Variegated Fritillary was reported five times, from a total of three widespread locations, mostly in September. Despite some good numbers on 4J counts locally, I thought it was a very off year for Great Spangled Fritillary, but Aphrodite Fritillary reports tripled over 2019, mostly from the western half of the state. Atlan-
tis Fritillary numbers continue to be low and mostly limited to the Berkshires. Reports of Meadow Fritillary more than doubled in 2020 (4 to 10), including an amazing 153 from No. Berkshire Co., and were all from the CRV west. Harris’ Checkerspot was again limited to three reports from Shrewsbury. Baltimore Checkerspot reports again were limited and heavily balanced toward the eastern half of the state, with only seven reports west of Worcester Co. I know that in Franklin Co. the shift in land use away from grazing is allowing succession towards forest from wet meadows, unfavorable conditions for turtlehead.

After a strong year in 2019, only eleven Question Marks were reported in 2020, all but one from the eastern half of the state. Eastern Comma helped supply the first and last records for the year, and were reported from every month in between except September. Six reports of Gray Comma were all from the Berkshires. Three Compton Tortoiseshell were reported, two very early in the east and one quite late in the CRV. A large majority of Mourning Cloak sightings were from March to the end of May, when they were found in ones and twos across the state. There were nine reports of Milbert’s Tortoiseshell, all from the western half of the state. American Ladies had a slow year, and Painted Ladies went somewhere else in 2020; most of the relatively few records were of ones and twos. Common Buckeye produced numerous reports, mostly from Worcester C. eastward.

Viceroy appeared at the end of May and continued into early October, while Hackberry Emperor was reported from only two locations- Sheffield and Springfield. Tawny Emperor was reported once from southern Berkshire County and three times from the Northampton area, while another managed to turn up (deceased) inside a car in Montague. Northern Pearly-eye was reported mostly from northern Worcester Co. westward, with a few scattered reports from the east. Appalachian Brown reports tended to be from the western half of the state, but, the two highest counts all season were from central Berkshire Co. and Truro. Little Wood-Satyr, of both varieties, were well reported across the state. Com. Ringlet
and Wood-Nymph reports were about average. Monarchs seemed to have a generally strong flight all summer long, but failed to produce any large numbers in the southeast in the Fall.

SKIPPERS

There were only three Long-tailed Skipper reports in 2020, down from 11 in 2019, all from the southeastern part of the state. All but five of the 15 Hoary Edge reports came from Broad Meadow Brook or the Montague Plains. The few Southern Cloudywing reports were widely scattered from the CRV to the Cape, and we actually had a Northern Cloudywing report from Berkshire Co. (Hinsdale), but only one other west of the CRV. Otherwise, the Duskywings were found when and where one would expect, while Common Sootywing was reported fairly widely in 2020, from Windsor to Uxbridge.

The small handful of Arctic Skipper reports were all from Berkshire Co. Least Skipper was again well and widely reported from the end of May into early October. Fiery Skipper sightings were up again this year, but with the usual exception of the Northampton area, all were from the eastern half of the state, with the latest being Oct. 15 in Walpole.

Only seven Leonard’s Skipper reports came in, but they were from six different locations. Cobweb Skipper was reported eight times, but from a total of two places. Peck’s Skipper did well, in places maintaining good numbers late into the season, and Long Dash was reported through June and into July with several second brood records into mid-September. Zabulon Skipper remains absent, or at least unreported from, Berkshire Co., but persisted into early Oct. in the southeast. Hobomok Skipper reports, on the other hand, were mostly from the CRV west. Broad-winged Skipper reports were mostly from the eastern half of the state and the lower CRV, with only one from Berkshire Co. Dion Skipper was reported from five locations, four in Berkshire Co, one in Northampton, while Two-spotted Skipper was reported five times, all but one
from Berkshire Co. Ten Pepper and Salt Skipper reports were mostly from the Berkshires, with one from Broad Meadow Brook in Worcester. Fifteen Sachem reports were mostly from the Dartmouth/Wareham area, with one from the Newbury area. Ocola Skipper was found mostly in the southeast, also turned up as far afield as Newbury, Arlington, Belmont and Northampton.

**Abbreviations:** ABNC-Athol Bird & Nature Club; AP-Allen’s Pond; BFD-Barre Falls Dam; BMB-Broad Meadow Brook, CA-Conservation Area; CG-Community Gardens; CRP-Charles River Peninsula; CRV-Connecticut River Valley; CST-Crane Swamp Trail; DWWS-Daniel Webster Wildlife Sanctuary; EQLT-East Quabbin Land Trust; F&G-Fish & Game; F&W=Fish & Wildlife; FPB-Fort Pond Brook; FS-Fannie Stebbins; 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; MBC-Massachusetts Butterfly Club; 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/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; SR-State Reservation; TTOR-The Trustees of Reservations (now The Trustees); WMA-Wildlife Management Area; WM-WS-Wachusett Meadow Wildlife Sanctuary; WRR-Waskosim’s Rock Reservation; WS=Wildlife Sanctuary

Common Ringlet (*Coenonympha tullia*), 8/22/20, North Brookfield, MA, Alan Rawle

Eastern Pine Elfin (*Callophrys niphon*), 5/24/20, Princeton, MA, Linda Graetz
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6/19  18  NCM, Petersham - Bill & Cara Callahan
6/21  17  Windsor - Bill & Nancy Callahan
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7/3  69  S Berkshire NABA - Rene Wendell et al.
7/4  93  C Franklin NABA - Mark Fairbrother et al.
7/5  116  N Berkshire NABA - Tom Tyning et al.
7/5  56  N Worcester NABA - Wendy Howes et al.
7/6  9  Williamsburg Flower Hill Farm - Carol Duke
7/12  77  C Berkshire NABA - Tom Tyning et al.
7/12  8  Truro NABA - Mark Faherty et al.
7/14  31  Windsor - Bill Callahan
7/19  23  Northampton NABA - Mark Fairbrother et al.
7/24  3  SF, Savoy - Bill Callahan
7/26  7  Brewster NABA - Joe Dwelly et al.
7/26  2  Holliston - Richard Hildreth
7/26  1  Monterey - John Farrell
8/1  5  Mount Sugarloaf, Deerfield - Elise & Karl Barry
8/8  3  Arnold Arboretum, Boston - Lucy Merrill-Hills
8/14  3  Arlington Heights - Lisa Wolfe, Peter Loshin
8/21  1  Erving - Mark Lynch, Sheila Carroll
8/26  1  Hadley - Rachel Bellenoit
8/31  1  Boston Nature Center - Lucy Merrill-Hills
9/5  2  Rockport - Matt Arey
10/14 1  East Harwich - Mark Faherty
10/22 1  Westport - Michael Newton

Canadian Tiger Swallowtail
5/22 1  West Whately - Bill Benner, Joe Wicinski
5/30 1  West Whately - Bill Benner
6/3 1 Montague Plains - Jeremy Coleman
6/8 40  North Adams, Mt. Greylock State Res. - Tom Gagnon
6/13 3  Florence - Tom Gagnon
6/13 1 Ashfield - Jeremy Coleman
6/17 1 Adams Farm, W. Bridgewater - Don Adams
6/23 1 Royalston - Carl Kamp
6/30 1 Montague Plains - Jeremy Coleman
7/3 2  S Berkshire NABA - Rene Wendell et al.
7/5 17  N Berkshire NABA - Tom Tyning et al.
7/5 2  N Worcester NABA - Wendy Howes et al.
7/7 1  Elf Meadow CA, Amherst - Elise & Karl Barry

Spicebush Swallowtail
5/17 1  Ward Res, Andover - Howard Hoople
5/21 1  Oak St. PL, Shrewsbury - Bruce deGraaf
5/27 1  West Whately - Bill Benner, Joe Wicinski
6/8 1  Arlington Heights - Lisa Wolfe
6/12 1  Rowe - Mark Lynch, Sheila Carroll
6/22 1  Williamsburg, Haydenville - Bill Callahan
6/28 1  Hardwick - Wendy Howes, Alan Rawle
7/3 3  S Berkshire NABA - Rene Wendell et al.
7/4 36  C Franklin NABA - Mark Fairbrother et al.
7/5 3  N Worcester NABA - Wendy Howes et al.
7/10 3  Pikes Bridge Rd, Newbury - Matt Arey
7/12 4  Truro NABA - Mark Faherty et al.
7/15 2  Muddy Brook WMA, Hardwick - Wendy Howes, Elise Barry
7/19 18  Northampton NABA - Mark Fairbrother et al.
7/26 1  Cummington - Henry Chinaski
7/30 5  FS WMA, Longmeadow - Bill Callahan
8/5 1  Leverett - Sarah Lambdin
8/8 10  Nasketucket Bay Reserve, Mattapoisett - Matt Arey, Michael Newton
8/19 1  Adams Farm, W. Bridgewater - Don Adams
8/28 1  Holliston - Richard Hildreth
9/9 1  Ponkapoag Trail, Randolph - Virginia Holloway
9/17 1  Holliston - Richard Hildreth
9/24 1  Brookwood Farm, Canton - Stephen Baird

Mustard White
5/2 4  Berkshire County - Tom Gagnon
5/22 11  Windsor - Callahan, Gagnon
5/22 10  Berkshire County - Tom Gagnon
6/21 4  Windsor - Bill & Nancy Callahan
7/12 28  C Berkshire NABA - Tom Tyning et al.
7/14 13  Windsor - Bill Callahan
7/21 5  Windsor - Bill Callahan
8/3 9  Windsor - Bill Callahan
8/10 2  Windsor - Bill Callahan
9/5 5  Windsor - Bill Callahan
9/24 1  WMWS, Princeton - Fred Bouchard
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7/29 6 Adams Farm, W. Bridgewater - Don Adams
8/6 40 Nasketucket Bay Reserve, Mattapoisett - Lauren Miller-Donnelly
8/15 11 Graves Farm, Williamsburg - Bill Callahan
8/18 1 Peru - John McDonald
8/28 14 Florence Community Gardens - Bill Callahan
9/3 26 Bullit TTOR, Ashfield - Bill Callahan
9/5 49 AP Allens Neck, Dartmouth - MBC trip
9/12 400 AP Allens Neck, Dartmouth - MBC trip
9/13 200 F&W Rte1, Newbury - Matt Arey
9/17 100 Newbury - Bo Zaremba
9/24 13 Petersham - Mark Lynch, Sheila Carroll
9/26 200 Dartmouth - Bette Chew
10/11 3 Andover, Lightning Tree Reservation - Howard Hoople
10/22 10 AP Field Station, Dartmouth - Michael Newton
11/6 1 Bart’s Cobble, Sheffield - Jonathan Pierce
11/8 1 Wilbraham - Danielle Desmarais
11/10 4 Adams Farm, Walpole - Madeline Champagne
11/16 1 Marshfield - Brian Cassie

**Orange Sulphur**
4/25 2 Marion - Andrew Griffith
5/9 1 Fall River - Doug Hlousek
5/14 2 Delaney WMA, Stow - Mark Rosenstein
6/9 3 Rough Meadows WS, Rowley - Matt Arey
6/20 6 Raynham - Andrew Griffith
7/5 13 N Berkshire NABA - Tom Tying et al.
7/12 7 Blackstone Valley NABA - Tom Dodd et al.
7/12 5 C Berkshire NABA - Tom Tying et al.
7/12 3 Truro NABA - Mark Faherty et al.
7/19 18 Northampton NABA - Mark Fairbrother et al.
7/26 6 Brewster NABA - Joe Dwelly et al.
8/2 8 Borden Colony, Raynham - Joe Dwelly
8/3 2 Windsor - Bill Callahan
8/10 1 Boston Nature Center - Lucy Merrill-Hills
8/10 3 Moran WMA, Windsor - Bill Callahan
8/21 5 Concord - Garry & Annie Kessler
9/5 1 Hardwick - Lucy Allen
9/5 10 AP Allens Neck, Dartmouth - MBC Trip
9/12 35 AP Allens Neck, Dartmouth - MBC trip
9/19 10 Heard Farm CA, Wayland - Fred Bouchard
9/24 2 Holliston - Richard Hildreth
10/1 5 Newbury - Bo Zaremba
10/4 1 Dunback Meadows, Lexington - Fred Bouchard
10/10 1 FS WMA, Longmeadow - Bill Callahan
10/22 30 AP Field Station, Dartmouth - Michael Newton
11/7 2 Dartmouth - Lauren Miller-Donnelly
11/11 1 Adams Farm, W. Bridgewater - Don Adams

**Cloudless Sulphur**
8/13 1 Westport - Lauren Miller-Donnelly
8/18 1 Thompson Fields, Harwich - Joe Dwelly
8/21 1 Westport - Lauren Miller-Donnelly
8/25 1 Wareham - Andrew Griffith
9/12 1 Arnold Arboretum, Boston - Lucy Merrill-Hills
9/12 1 Bayberry Hills PL-Bike Path, Yarmouth - Joe Dwelly
9/12 5 AP Field Station, Dartmouth - MAS trip
9/12 2 AP Allens Neck, Dartmouth - MBC trip
9/13 1 F&W Rte1, Newbury - Matt Arey
9/13 1 Mt A, Cambridge - Fred Bouchard
9/14 1 AP, Dartmouth - Garry & Annie Kessler
9/14 5 AP Field Station, Dartmouth - MAS Trip
9/14 3 Sylvan Nursery, Dartmouth - Garry & Annie Kessler
9/14 1 Horseneck Beach, Westport - Garry & Annie Kessler
9/23 2 Wareham - Andrew Griffith
9/23 3 Dartmouth - Brian Cassie
9/23 1 Arnold Arboretum, Boston - Lucy Merrill-Hills
9/25 1 Holliston - Richard Hildreth
9/25 1 Wareham - Andrew Griffith
9/27 1 Plum Island, Newbury - Matt Arey
10/3 1 Sylvan Nursery, Dartmouth - Michael Newton, Andrew Griffith
10/3 2 Dartmouth - Brian Cassie
10/15 1 Wareham - Andrew Griffith
10/18 1 Belmont - Fred Bouchard
10/22 2 Sylvan Nursery, Dartmouth - Michael Newton
10/22 2 AP Field Station, Dartmouth - Michael Newton
10/22 1 Arnold Arboretum, Boston - Lucy Merrill-Hills

Harvester
5/19 2 FS WMA, Longmeadow - Erin Hough
5/22 2 Mystic Lakes, Medford - Renee LaFontaine
6/6 1 Windsor - Bill Callahan
6/8 1 GMNWR, Concord - Rosemary Mosco
6/18 11 Mystic Lakes, Medford - Renee LaFontaine
7/6 8 Mystic Lakes, Arlington - Renee LaFontaine
7/6 5 Mystic Lakes, Medford - Renee LaFontaine
7/11 1 Williamsburg, Haydenville - Bill Callahan
7/16 2 FS WMA, Longmeadow - Erin Hough
8/2 1 FS WMA, Longmeadow - Erin Hough
8/9 2 FS WMA, Longmeadow - Bill Callahan
8/20 4 FS WMA, Longmeadow - Bill Callahan

American Copper
5/12 1 Wareham - Andrew Griffith
5/13 5 Ward Res, Andover - Howard Hoople
5/13 1 Little Mount Tom, Holyoke - Bill Callahan
5/14 30 Joppa Flats, Newburyport - Matt Arey
5/22 20 Montague Plains - Michael Newton
5/27 12 Borden Colony, Raynham - Joe Dwelly
5/30 37 Maudsley SP, NP - Bo Zaremba
6/8 2 Dauphinais Park, Grafton - Marvin St. Onge, Dolores Price
6/18 2 Ashfield - Jeremy Coleman
6/28 2 Horseneck Beach, Westport - Fred Bouchard
7/4 26 C Franklin NABA - Mark Fairbrother et al.
7/5 22 N Worcester NABA - Wendy Howes et al.
7/10 25 Pikes Bridge Rd, Newbury - Matt Arey
7/12 45 C Berkshire NABA - Tom Tying et al.
7/12 67 Truro NABA - Mark Faherty et al.
7/15 3 Muddy Brook WMA, Hardwick - Wendy Howes, Elise Barry
7/18 2 Signal Hill, Canton - Lucy Merrill-Hills
7/19 24 Northampton NABA - Mark Fairbrother et al.
7/26 105 Brewster NABA - Joe Dwelly et al.
8/14 3 Danvers Meadow, Danvers - Lucy Merrill-Hills
8/18 2 Northampton CG - Bill Callahan
9/4 3 Arnold Arboretum, Boston - Lucy Merrill-Hills
9/12 1 Petersham - Mark Lynch, Sheila Carroll
9/23 1 Wareham - Andrew Griffith
9/25 2 Shrewsbury - Bruce de Graaf
10/3 4 Arnold Arboretum, Boston - Lucy Merrill-Hills
10/9 6 Harwich - Sharon Riley
10/11 2 Andover, Lightning Tree Reservation - Howard Hoople
10/15 1 Shrewsbury - Bruce de Graaf
10/27 2 Arnold Arboretum, Boston - Lucy Merrill-Hills

Bronze Copper
6/8 2 GMNWR, Concord - Rosemary Mosco
6/12 3 FS WMA, Longmeadow - Bill Callahan
6/15 2 GMNWR, Concord - Linda Graetz
6/20 2 N Essex NABA - Mark Rosenstein et al.
6/23 1 W Roxbury - Lucy Merrill-Hills
8/21 3 Concord - Garry & Annie Kessler
8/31 9 Concord - Garry & Annie Kessler
9/13 5 Concord - Garry & Annie Kessler
9/13 1 F&W Rte1, Newbury - Matt Arey
9/25 1 Groton - Tom Murray
9/28 1 FS WMA, Longmeadow - Bill Callahan
9/28 1 Appleton Farms, Ipswich - MBC trip

Bog Copper
7/4 897 C Franklin NABA - Mark Fairbrother et al.
7/4 60 Tully Dam, Royalston - Garry & Annie Kessler
7/4 46 Tully Dam, Royalston - Bill & Nancy Callahan
7/5 20 Ashburnham - Dawn Vesey
7/12 25 Truro NABA - Mark Faherty et al.

Coral Hairstreak
7/11 1 Hatches Harbor, Provincetown - Tor Hansen
6/28 1 MSSF, Plymouth - Rosemary Mosco
7/3 1 Ware - Bill & Nancy Callahan
7/4 4 C Franklin NABA - Mark Fairbrother et al.
7/4 6 Oak St. PL, Shrewsbury - Bruce de Graaf
7/5 13 N Berkshire NABA - Tom Tying et al.
<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/6</td>
<td>Shrewsbury - Garry &amp; Annie Kessler</td>
<td>et al.</td>
</tr>
<tr>
<td>7/9</td>
<td>Raynham - Andrew Griffith</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Truro NABA - Mark Faherty et al.</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Oak St. PL, Shrewsbury - Bruce deGraaf</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Blackstone Valley NABA - Tom Dodd et al.</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>C Berkshire NABA - Tom Tynin et al.</td>
<td></td>
</tr>
<tr>
<td>7/21</td>
<td>Windsor - Bill Callahan</td>
<td></td>
</tr>
<tr>
<td>7/23</td>
<td>Oak St. PL, Shrewsbury - Bruce deGraaf</td>
<td></td>
</tr>
<tr>
<td>7/26</td>
<td>Brewster NABA - Joe Dwelly et al.</td>
<td></td>
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</tbody>
</table>

**Acadian Hairstreak**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
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</thead>
<tbody>
<tr>
<td>7/12</td>
<td>C Berkshire NABA - Tom Tyning et al.</td>
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</tbody>
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**Edwards’ Hairstreak**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
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</thead>
<tbody>
<tr>
<td>6/24</td>
<td>Long Point, W Tisbury - Matt Pelikan</td>
<td></td>
</tr>
<tr>
<td>6/25</td>
<td>McDonald Nature Preserve, Wilbraham - Bill Callahan</td>
<td></td>
</tr>
<tr>
<td>6/26</td>
<td>HPM, Woburn - Garry &amp; Annie Kessler</td>
<td></td>
</tr>
<tr>
<td>6/27</td>
<td>MSSF, Plymouth - Andrew Griffith</td>
<td></td>
</tr>
<tr>
<td>6/28</td>
<td>MSSF, Plymouth - Rosemary Mosco Kessler</td>
<td></td>
</tr>
<tr>
<td>7/2</td>
<td>McDonald Nature Preserve, Wilbraham - Bill Callahan</td>
<td></td>
</tr>
<tr>
<td>7/2</td>
<td>Crane WMA, Falmouth - Joe Dwelly</td>
<td></td>
</tr>
<tr>
<td>7/3</td>
<td>MSSF, Plymouth - Andrew Griffith</td>
<td></td>
</tr>
<tr>
<td>7/7</td>
<td>Montague Plains - Jeremy Coleman</td>
<td></td>
</tr>
<tr>
<td>7/10</td>
<td>MSSF, Plymouth - Andrew Griffith</td>
<td></td>
</tr>
<tr>
<td>7/11</td>
<td>Crane WMA, Falmouth - Andrew Griffith</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Truro NABA - Mark Faherty et al.</td>
<td></td>
</tr>
<tr>
<td>7/18</td>
<td>Falmouth NABA - Joe Dwelly et al.</td>
<td></td>
</tr>
<tr>
<td>7/26</td>
<td>Brewster NABA - Joe Dwelly et al.</td>
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</table>

**Banded Hairstreak**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/23</td>
<td>Champagne yard, Foxborough - Madeline Champagne</td>
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<tr>
<td>6/33</td>
<td>Amherst - Josh Rose</td>
<td></td>
</tr>
<tr>
<td>6/26</td>
<td>Mt. Tom State Reservation, Holyoke - Bill Callahan</td>
<td></td>
</tr>
<tr>
<td>6/26</td>
<td>Carlisle Ave., Montague - Mark Fairbrother</td>
<td></td>
</tr>
<tr>
<td>6/30</td>
<td>Montague Plains - Jeremy Coleman</td>
<td></td>
</tr>
<tr>
<td>7/3</td>
<td>S Berkshire NABA - Rene Wendell et al.</td>
<td></td>
</tr>
<tr>
<td>7/4</td>
<td>C Franklin NABA - Mark Fairbrother et al.</td>
<td></td>
</tr>
<tr>
<td>7/4</td>
<td>Sherborn - Michael Newton</td>
<td></td>
</tr>
<tr>
<td>7/5</td>
<td>Shrewsbury - Bruce de Graaf</td>
<td></td>
</tr>
<tr>
<td>7/5</td>
<td>N Berkshire NABA - Tom Tyning et al.</td>
<td></td>
</tr>
<tr>
<td>7/10</td>
<td>Pikes Bridge Rd, Newbury - Matt Arey</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Blackstone Valley NABA - Tom Dodd</td>
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**Hickory Hairstreak**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
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</thead>
<tbody>
<tr>
<td>7/3</td>
<td>S Berkshire NABA - Rene Wendell et al.</td>
<td></td>
</tr>
<tr>
<td>7/4</td>
<td>C Franklin NABA - Mark Fairbrother et al.</td>
<td></td>
</tr>
<tr>
<td>7/5</td>
<td>N Berkshire NABA - Tom Tyning et al.</td>
<td></td>
</tr>
<tr>
<td>7/8</td>
<td>Lakeview-Morse CA, Sharon - Madeline Champagne</td>
<td></td>
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</tbody>
</table>

**Striped Hairstreak**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
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</thead>
<tbody>
<tr>
<td>6/26</td>
<td>HPM, Woburn - Garry &amp; Annie Kessler</td>
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<tr>
<td>6/28</td>
<td>Grafton - Dolores Price, Marvin St. Onge</td>
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<tr>
<td>7/4</td>
<td>Old Town Hill, Newbury - Bo Zaremba</td>
<td></td>
</tr>
<tr>
<td>7/4</td>
<td>Sherborn - Michael Newton</td>
<td></td>
</tr>
<tr>
<td>7/5</td>
<td>N Berkshire NABA - Tom Tyning et al.</td>
<td></td>
</tr>
<tr>
<td>7/6</td>
<td>MSSF, Plymouth - Andrew Griffith</td>
<td></td>
</tr>
<tr>
<td>7/9</td>
<td>Muddy Brook WMA, Hardwick - Wendy Howes</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Truro NABA - Mark Faherty et al.</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>Greenfield - Thurman Hart</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>C Berkshire NABA - Tom Tyning et al.</td>
<td></td>
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<tr>
<td>7/18</td>
<td>Sherborn - Yuichiro Nagatomo</td>
<td></td>
</tr>
<tr>
<td>7/26</td>
<td>Brewster NABA - Joe Dwelly et al.</td>
<td></td>
</tr>
<tr>
<td>8/9</td>
<td>Nasketucket Bay Reserve, Mattapoisett - Andrew Griffith</td>
<td></td>
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**Oak Hairstreak**

<table>
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<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
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<tbody>
<tr>
<td>6/30</td>
<td>Harwich - Mark Faherty</td>
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<tr>
<td>7/4</td>
<td>Arlington Heights - Lisa Wolfe</td>
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</tr>
<tr>
<td>7/11</td>
<td>Yarmouth - Joe Dwelly</td>
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</table>

**Brown Elfen**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Collector(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/6</td>
<td>Foxborough - Brian Cassie</td>
<td></td>
</tr>
<tr>
<td>4/11</td>
<td>Correllus State Forest, West Tisbury - Matt Pelikan</td>
<td></td>
</tr>
<tr>
<td>4/25</td>
<td>MSSF, Plymouth - Kessler, Reid &amp; Moore</td>
<td></td>
</tr>
<tr>
<td>5/2</td>
<td>Montague Plains - Bill Callahan</td>
<td></td>
</tr>
<tr>
<td>5/5</td>
<td>MSSF, Plymouth - Moore, Dinius</td>
<td></td>
</tr>
<tr>
<td>5/7</td>
<td>Hardwick - Mark Lynch, Sheila Carroll</td>
<td></td>
</tr>
<tr>
<td>5/7</td>
<td>Montague Plains - Bill Callahan</td>
<td></td>
</tr>
<tr>
<td>5/8</td>
<td>MSSF, Plymouth - Eamon Corbett</td>
<td></td>
</tr>
</tbody>
</table>

(continued on page 25)
The open fields near and adjacent to Gavin’s Pond at the Foxboro/Sharon town line have well-known populations of Frosted Elfin and Wild Indigo Duskywings, as well as a number of other butterflies. Over the last two years, a lot of work has been done to try to improve this habitat by making it easier for Wild Indigo, the larval food plant for the featured butterfly species, to survive and multiply.

The Foxboro Water Department and the Sharon Tree and Landscape Division of the town’s department of public works have been important contributors to this work, by removing debris piles [consisting of pine needles, seventy White Pines, twenty Black Locusts, and 54,000 Sweetferns] that were cut or pulled from the fields.

The first habitat work done here was by Eagle Scout Tim Sweet of Foxboro, who worked on butterfly habitat restoration and improvement as his 2002 Eagle Scout project. The town conservation officer proclaimed the area a butterfly sanctuary upon completion of Tim’s efforts.

Plans are being formulated for a joint venture with Foxboro gardeners and the town conservation commission to develop a strip garden of nectar plants, to provide food for butterflies and still keep all but a very small strip of land intact, with original soil and host plant grasses and wildflowers.
Frosted Elfin/Wild Indigo Duskywing Fields in Foxboro

Two of my former students, fifth graders Margot Murphy-Hara and Lyra Dvorin, helped at the site and made some beautiful laminated posters to put up at the fields.

--Brian Cassie
Bronze Copper (*Lycaena hylus*), 8/25/20, Groton, MA, Tom Murray

Red-banded Hairstreak (*Calycopis cecrops*), 8/24/20, Boston, MA, Lucy Merrill-Hills

Acadian Hairstreak (*Satyrium acadica*), 7/1/14, Berkshire Co., Garry Kessler

Rare (and declining? in Massachusetts. See Garry’s article about surveying for this butterfly on p.5!

American Copper (*Lycaena phlaeas*), 8/22/20, North Brookfield, MA, Alan Rawle

Hoary Elfin (*Callophrys polios*), Plymouth, MA, 5/16/20, Andrew Griffith
Long Dash
(*Polites mystic*),
9/7/20,
Belmont, MA, Rosemary Mosco

Meadow Fritillary (*Boloria bellona*), 8/2/20,
Sheffield, MA, Michael Newton

Peck’s Skipper
(*Polites peckius*), 6/17/20,
Sudbury, MA, Linda Graetz

Coral Hairstreak
(*Satyrium titus*)
7/11/20, Shrewsbury,
MA, Garry Kessler

Viceroy
(*Limenitis archippus*),
8/31/20, Arlington, MA,
Lisa Wolfe

Cobweb Skipper (*Hesperia metea*), 5/27/20,
Montague, MA, Mark Rosenstein
Bog Elfin (*Callophrys lanoraieensis*), 5/22/20, Worcester Co, MA, Michael Newton

Great Spangled Fritillary (*Speyeria cybele*), 7/7/20, Leverett, MA, Bernie Rubenstein

Pearl Crescent (*Phyciodes tharos*), unusually dark form; 9/20/20, Groton, MA, Tom Murray

Black Swallowtail (*Papilio polyxenes*), 7/10/20, West Bridgewater, MA, Don Adams

Eastern Tailed Blue (*Everes comyntas*), 7/2020, Marshfield, MA, Susan Browne
5/15 1 Crane WMA, Falmouth - Andrew Griffith
5/21 6 Ware River Watershed, Barre - Mark Lynch, Sheila Carroll

**Hoary Elfin**
4/25 3 Correllus State Forest, West Tisbury - Matt Pelikan
4/25 6 MSSF, Plymouth - Kessler, Reid & Moore
5/2 3 MSSF, Plymouth - Michael Newton
5/5 9 MSSF, Plymouth - Moore, Dinius
5/8 8 MSSF, Plymouth - Eamon Corbett
5/16 3 MSSF, Plymouth - Andrew Griffith

**Frosted Elfin**
4/23 1 MSSF, Plymouth - Joe Dwelly
4/29 3 Westfield - Bill Callahan
5/5 2 MSSF, Plymouth - Moore, Dinius
5/14 8 Lamson Rd, Foxborough - Madeline Champagne
5/19 30 Florence - Tom Gagnon
5/21 29 Florence - Bill Callahan
5/26 47 Lamson Rd, Foxborough - Madeline Champagne
5/31 1 Florence - Bill Callahan, Bill Benner
6/2 35 Lamson Rd, Foxborough - Madeline Champagne
6/5 3 Shrewsbury High School - Bruce deGraaf
6/8 2 Dauphinais Park, Grafton - Marvin St. Onge, Dolores Price
6/9 19 Lamson Rd, Foxborough - Madeline Champagne
6/16 6 Lamson Rd, Foxborough - Madeline Champagne

**Henry's Elfin**
4/12 1 Burma Road, Milton - Rosemary Mosco
4/25 1 Newbury - Matt Arey
4/29 1 HPM, Woburn - Kessler, Moore, Hoople
5/2 6 Burma Road, Milton - Lucy Merrill-Hills
5/3 1 Fountain Park, Wilbraham - Bill Callahan
5/3 1 Marlborough - Jason Forbes
5/7 3 Burma Road, Milton - Lucy Merrill-Hills
5/14 1 Fountain Park, Wilbraham - Bill Callahan
5/16 1 Burma Road, Milton - Lucy Merrill-Hills
5/22 3 Northern Worcester County - Garry Kessler

**Bog Elfin**
5/22 4 Northern Worcester County - Garry Kessler
5/27 2 N Worcester NABA - Mark Rosenberg

**Eastern Pine Elfin**
4/6 1 Foxborough - Brian Cassie
4/25 2 MSSF, Plymouth - Kessler, Reid & Moore
4/25 1 Correllus State Forest, West Tisbury - Matt Pelikan
4/25 1 Montague Plains - Mark Fairbrother
5/3 6 Sudbury - Jason Forbes
5/5 7 MSSF, Plymouth - Moore, Dinius
5/7 2 Delaney WMA, Stow - Steve Moore
5/13 1 Amherst - Annie Vadéboconeour
5/15 4 Yarmouth, Flax Pond - Joe Dwelly
5/20 8 Lamson Rd, Foxborough - Madeline Champagne
5/22 23 Northern Worcester County - Garry Kessler
5/22 20 Montague Plains - Michael Newton
5/27 2 N Worcester NABA - Mark Rosenberg
6/3 1 New Salem - Dave Small
6/6 2 Dubuque SF, Hawley - Mark Lynch, Sheila Carroll
6/14 1 Cummington - Thomas Farrington
6/17 2 Ware - Bill Callahan
6/17 1 Peru, Dorothy Rice Sanctuary - Gael Hurley

**Juniper Hairstreak**
5/20 3 HPM, Woburn - Howard Hoople
5/21 1 Little Mount Tom, Holyoke - Bill Callahan
5/22 4 Little Mount Tom, Holyoke - Bill Callahan
6/1 1 HPM, Woburn - Matt Arey
7/12 1 HPM, Woburn - Howard Hoople
7/16 1 HPM, Woburn - Garry & Annie Kessler
8/8 1 Nasketucket Bay Reserve, Mattapoissett - Matt Arey, Michael Newton

**White M Hairstreak**
5/30 1 MBWMA, Newbury - Matt Arey
7/18 1 Lake Wampanoag WS, Gardner - MBC Trip
8/8 1 Williamsburg - Bill Callahan

**Gray Hairstreak**
5/2 1 Montague Plains - Bill Callahan
5/16 1 Yarmouth, Flax Pond - Joe Dwelly
5/22 2 Montague Plains - Michael Newton
6/9 1 Rough Meadows WS, Rowley - Matt Arey
6/28 1 Belchertown - Elise Barry
7/4 3 Sherborn - Michael Newton
7/6 1 Somerset - Danielle Vaillancourt
Red-banded Hairstreak

6/8 2 Nasketucket Bay Reserve, Mattapoisett - Matt Arey, Michael Newton
8/22 1 FS WMA, Longmeadow - Ted Gilliland
8/24 1 Arnold Arboretum, Boston - Lucy Merrill-Hills
8/26 1 AP Allens Neck, Dartmouth - Brian Cassie
8/26 1 Borden Colony, Raynham - Jim Sweeney
8/30 1 Franklin Park, Boston - Stephen Baird
9/5 1 Rockport - Matt Arey
9/5 10 AP Allens Neck, Dartmouth - MBC Trip
9/6 2 AP, Dartmouth - Matt Arey
9/7 1 Dartmouth - Andrew Griffith
9/7 2 Arnold Arboretum, Boston - MBC trip
9/12 1 East Harwich - Mark Faherty
9/12 2 AP Allens Neck, Dartmouth - MBC trip
9/18 1 Norfolk County - Katie Boss
10/22 1 AP Field Station, Dartmouth - Michael Newton

Early Hairstreak

6/4 1 North Adams, Mt. Greylock State Res. - Tom Tyning

Eastern Tailed-Blue

3/27 1 Dauphinais Park, Grafton - Moore, Kessler
4/5 1 Franklin - Keith Shaw
4/6 1 Ludlow, Stony Brook - Frank Bowrys
Mt. Tom State Reservation, Easthampton - Bruce King
Upton State Forest - Tom & Cathy Dodd
Charlton - Nicole Giles
MSSF, Plymouth - Kessler, Reid & Moore
Turners Falls - Jeremy Coleman
Burma Road, Milton - Lucy Merrill-Hills
Tom Swamp, Petersham - Dave Small
Burma Road, Milton - Lucy Merrill-Hills
MSSF, Plymouth - Eamon Corbett
Acton - Tom Whelan
Lamson Rd, Foxborough - Madeline Champagne
Burma Road, Milton - Lucy Merrill-Hills
Windsor - Callahan, Gagnon
Ware River Watershed, Barre - Mark Lynch, Sheila Carroll
Holyoke - Erin Hough
Old Town Hill, Newbury - Matt Arey
McDonald Nature Preserve, Wilbraham - Bill Callahan
Moran WMA, Windsor - Gael Hurley
McDonald Nature Preserve, Wilbraham - Bill Callahan
Hennessey Property, Grafton - Marvin St. Onge, Dolores Price
Ash¿eld - Jeremy Coleman
Old Town Hill, Newbury - Matt Arey
Moran WMA, Windsor - Bill Callahan
Hennessey Property, Grafton - Marvin St. Onge, Dolores Price
Windsor - Tom Gagnon
MMP, Williamstown - Tor Hansen
Silvery Blue
Delaney WMA, Stow - Garry Kessler
Holyoke - Erin Hough
Old Town Hill, Newbury - Matt Arey
McDonald Nature Preserve, Wilbraham - Bill Callahan
Moran WMA, Windsor - Gael Hurley
McDonald Nature Preserve, Wilbraham - Bill Callahan
Hennessey Property, Grafton - Marvin St. Onge, Dolores Price
Windsor - Tom Gagnon
BMB WS, Worcester - Bill & Nancy Callahan
Northampton CG - Tom Gagnon
F&W Rte1, Newbury - Matt Arey
F&W Rte1, Newbury - Matt Arey
Great Spangled Fritillary
Quabbin, Petersham - Wendy Howes, Alan Rawle
McDonald Nature Preserve, Wilbraham - Bill Callahan
F&W Rte1, Newbury - Matt Arey
N Berkshire NABA - Tom Tyning et al.
Aphrodite Fritillary
6/17 1 Windsor - Gael Hurley
6/28 1 Williamsburg Flower Hill Farm - Carol Duke
7/5 8 Petersham - Mark Lynch, Sheila Carroll
7/12 2 Petersham - Mark Lynch, Sheila Carroll
7/13 1 Ashfield - Jeremy Coleman
7/19 1 Williamsburg - Bill & Nancy Callahan
8/1 1 Knightsville WMA, Huntington - Mark Lynch, Sheila Carroll
8/14 1 West Whately - Bill Benner, Joe Wicinski
8/28 2 Williamsburg Flower Hill Farm - Carol Duke
9/6 3 Williamsburg Flower Hill Farm - Carol Duke

Atlantis Fritillary
6/18 2 Ashfield - Jeremy Coleman
6/21 3 Windsor - Bill & Nancy Callahan
7/5 44 N Berkshire NABA - Tom Tyning et al.
7/11 15 Windsor - Jeremy Coleman
7/12 10 C Berkshire NABA - Tom Tyning et al.
7/13 1 Ashfield - Jeremy Coleman
7/14 9 Windsor - Bill Callahan
7/21 1 Windsor - Bill Callahan
7/31 1 Warwick - Mark Lynch, Sheila Carroll
8/8 2 Bullit TTOR, Ashfield - Bill Callahan
8/10 2 Windsor - Bill Callahan
8/19 1 Williamsburg - Bill Callahan

Silver-bordered Fritillary
5/15 1 FS WMA, Longmeadow - Bill Callahan

Aphrodite Fritillary
6/17 1 Windsor - Gael Hurley
6/28 1 Williamsburg Flower Hill Farm - Carol Duke
7/5 8 Petersham - Mark Lynch, Sheila Carroll
7/12 2 Petersham - Mark Lynch, Sheila Carroll
7/13 1 Ashfield - Jeremy Coleman
7/19 1 Williamsburg - Bill & Nancy Callahan
8/1 1 Knightsville WMA, Huntington - Mark Lynch, Sheila Carroll
8/14 1 West Whately - Bill Benner, Joe Wicinski
8/28 2 Williamsburg Flower Hill Farm - Carol Duke
9/6 3 Williamsburg Flower Hill Farm - Carol Duke

Atlantis Fritillary
6/18 2 Ashfield - Jeremy Coleman
6/21 3 Windsor - Bill & Nancy Callahan
7/5 44 N Berkshire NABA - Tom Tyning et al.
7/11 15 Windsor - Jeremy Coleman
7/12 10 C Berkshire NABA - Tom Tyning et al.
7/13 1 Ashfield - Jeremy Coleman
7/14 9 Windsor - Bill Callahan
7/21 1 Windsor - Bill Callahan
7/31 1 Warwick - Mark Lynch, Sheila Carroll
8/8 2 Bullit TTOR, Ashfield - Bill Callahan
8/10 2 Windsor - Bill Callahan
8/19 1 Williamsburg - Bill Callahan

Silver-bordered Fritillary
5/15 1 FS WMA, Longmeadow - Bill Callahan

5/30 3 Windsor - Bill Callahan
6/2 3 Freetown - July Lewis
6/20 6 N Essex NABA - Mark Rosenstein et al.
7/4 6 C Franklin NABA - Mark Fairbrother et al.
7/19 6 Northampton NABA - Mark Fairbrother et al.
7/31 1 West Whately - Bill Benner, Joe Wicinski
8/3 13 Windsor - Bill Callahan
8/28 8 Amherst, Macleod Field - Karl & Elise Barry
9/13 30 F&W Rte1, Newbury - Matt Arey
9/17 3 Windsor - Bill Callahan
10/3 3 Newbury - Matt Arey

Meadow Fritillary
6/18 1 Windsor - Tom Gagnon
7/3 8 S Berkshire NABA - Rene Wendell et al.
7/4 4 C Franklin NABA - Mark Fairbrother et al.
7/5 153 N Berkshire NABA - Tom Tyning et al.
7/8 5 Bullit TTOR, Ashfield - Bill Callahan
8/2 12 Sheffield - Matt Arey
8/8 1 Bullit TTOR, Ashfield - Bill Callahan
8/13 2 Williamstown - Pam Weatherbee
9/9 1 Franklin County - Chris LaRoche

Harris’ Checkerspot
6/10 5 Shrewsbury High School - Bruce deGraaf
6/16 1 Oak St. PL, Shrewsbury - Bruce deGraaf

Pearl Crescent
5/14 1 Dauphinais Park, Grafton - Dolores Price
5/14 1 McDonald Nature Preserve, Wilbraham - Bill Callahan
5/14 1 Saugus - Kirk Marshall
5/20 3 Marion - Andrew Griffith
5/22 14 Dauphinais Park, Grafton - Dolores Price, Martin St. Onge
5/28 6 LPWS, Barnstable - Joe Dvelly
5/30 15 MBWMA, Newbury - Matt Arey
6/6 2 Windsor - Bill Callahan
6/7 4 Hennessey Property, Grafton - Marvin St. Onge, Dolores Price
6/13 10 BFD, Hubbardston - Karl Barry
6/20 3 N Essex NABA - Mark Rosenstein et al.

Silver-bordered Fritillary
5/15 1 FS WMA, Longmeadow - Bill
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**Eastern Comma**

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**Baltimore Checkerspot**

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**Question Mark**

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**Compton Tortoiseshell**

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**Mourning Cloak**

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3/18  5  Northborough, Edmund Hill - Steve Moore
3/26  1  Pelham - Karl & Elise Barry
3/27  6  Dauphinais Park, Grafton - Moore, Kessler
3/27  1  West Whately - Tom Gagnon
4/4  1  Orange - Dave Small
4/6  3  Petersham - Dave Small
4/6  5  MBWMA, Newbury - Bo Zaremba
4/6  5  Burma Road, Milton - Lucy Merrill-Hills
4/12  1  Mt. Tom State Reservation, Easthampton - Bruce King
4/14  7  Burma Road, Milton - Merrill-Hills, Moore
4/23  2  Montague Plains - Bill Callahan
4/25  7  New Salem - Ron & Sue Cloutier
4/29  1  Southborough - Dawn Vesey
5/2  2  Tolland State Forest - Mo O'Connor
5/4  3  Shrewsbury - Bruce de Graaf
5/8  1  MBWMA, Newbury - Bo Zaremba
5/14  1  Charlton - Nicole Giles
5/20  2  Belchertown - Elise & Karl Barry
5/22  1  Montague Plains - Michael Newton
5/30  3  Pratt Hill, Upton - Tom Dodd
6/21  2  Windsor - Bill & Nancy Callahan
7/5  2  N Berkshire NABA - Tom Tynig et al.
7/30  1  Oak Hill Cem., NP - Bo Zaremba
9/5  2  Rockport - Matt Areay
9/13  1  Rough Meadows WS, Rowley - Matt Areay
9/24  1  Holliston - Richard Hildreth
9/25  1  Shrewsbury - Bruce de Graaf
10/1  1  Sherborn - Michael Newton
10/3  1  Sylvan Nursery, Dartmouth - Michael Newton, Andrew Griffith
11/21 1  Paxton - Christy Barnes

**Milbert’s Tortoiseshell**
3/15  1  W Meadows, Northampton - Harvey Allen
6/13  1  Ware - Brian Klassanos
6/13  1  Easthampton - Bruce King
6/13  1  Florence - Tom Gagnon
7/5  2  N Berkshire NABA - Tom Tynig et al.
7/26  1  Mt. Greylock State Forest, Williamstown - Jonathan Pierce
7/27  1  North Adams, Mt. Greylock State Res. - Gae Hurley
9/7  1  Shelburne - Jeff Boettner

**American Lady**
4/14  1  Bellingham - Madeline Champagne
4/23  1  MSSF, Plymouth - Joe Dwelly
4/29  1  Carver - Mike Perrin
5/3  1  Florence - Tom Gagnon
5/8  2  MSSF, Plymouth - Eamon Corbett
5/15  3  Plum Island Airport, NP - Matt Areay
5/22  5  Montague Plains - Michael Newton
6/9  1  McDonald Nature Preserve, Wilbraham - Bill Callahan
6/15  1  Champagne yard, Foxborough - Madeline Champagne
6/26  3  Crane WMA, Falmouth - Andrew Griffith
7/5  1  N Berkshire NABA - Tom Tynig et al.
7/18  6  Falmouth NABA - Joe Dwelly et al.
8/1  1  Mount Sugarloaf, Deerfield - Elise & Karl Barry
8/8  1  Crane WMA, Falmouth - Andrew Griffith
8/18  1  Plymouth - Robin Gross
8/26  1  Marblehead - Karen Haley
9/5  5  Rockport - Matt Areay
9/13  2  Arlington Heights - Lisa Wolfe
9/28  1  Arnold Arboretum, Boston - Stephen Baird
10/3  1  Arnold Arboretum, Boston - Lucy Merrill-Hills
10/10 1  Holliston - Richard Hildreth
10/22 8  Sylvan Nursery, Dartmouth - Michael Newton
11/11 1  Marblehead - Karen Haley
11/21 1  Falmouth - Greg Hirth

**Painted Lady**
4/19  1  Williamstown - Pam Weatherbee
4/23  1  MSSF, Plymouth - Joe Dwelly
5/15  1  Plum Island Airport, NP - Matt Areay
6/1  5  HPM, Woburn - Matt Areay
6/19  1  NCM, Petersham - Bill & Cara Callahan
7/12  1  C Berkshire NABA - Tom Tynig et al.
7/19  1  Northampton NABA - Mark Fairbrother et al.
8/17  1  Great Meadow, Arlington - Lisa Wolfe
8/26  2  Newbury, Tendercrop Farm - Lucy Merrill-Hills
9/10  1  Adams Farm, W. Bridgewater - Don Adams
9/17  1  Newbury - Bo Zaremba
10/2  1  Wareham - Andrew Griffith
10/22 3  Sylvan Nursery, Dartmouth - Michael Newton
11/16 1  Marshfield - Brian Cassie

**Lady Species**
9/16  1  Dunback Meadows, Lexington - Fred Bouchard

**Red Admiral**
4/4  1  Quincy - Steven Whitebread
4/6  1  West Whately - Tom Gagnon
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### Common Buckeye

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<td>6/17</td>
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<td>Peru, Dorothy Rice Sanctuary - Gael Hurley</td>
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<td>Windsor - Bill &amp; Nancy Callahan</td>
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<td>7/3</td>
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<td>S Berkshire NABA - Rene Wendell et al.</td>
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<td>N Berkshire NABA - Tom Tying et al.</td>
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<td>Brewster NABA - Joe Dwelly et al.</td>
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<td>7/31</td>
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<td>Warwick - Mark Lynch, Sheila Carroll</td>
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<td>8/6</td>
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<td>Hatfield - Allyn Gieryk</td>
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<td>Salem - Maryellen Dolan</td>
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<td>11</td>
<td>Otter River SF, Winchendon - Mark Lynch, Sheila Carroll</td>
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<td>Groton - Tom Murray</td>
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<td>Southwick - Daniel Barna</td>
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<td>Newbury, Tendercrop Farm - Lucy Merrill-Hills</td>
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<td>Holliston - Richard Hildreth</td>
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### Viceroy

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<td>Hampden - Erin Hough</td>
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<td>Orange - Pan Wilson</td>
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<td>MBWMA, Newbury - Michael Newton</td>
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<td>Oak St. PL, Shrewsbury - Bruce deGraaf</td>
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<td>6/23</td>
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<td>Rowley - Bo Zaremba</td>
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<td>Crane WMA, Falmouth - Andrew Griffith</td>
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<td>C Franklin NABA - Mark Fairbrother et al.</td>
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<td>C Berkshire NABA - Tom Tying et al.</td>
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<td>Northampton NABA - Mark Fairbrother et al.</td>
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7/24  1  MBWMA, Newbury - Marjorie Watson
7/30  1  Shrewsbury - Bruce de Graaf
8/8  15  Nasketucket Bay Reserve, Mattapoisett - Matt Arey, Michael Hadley - Sarah Lambdin
8/20  1  Grafton - Dolores Price, Marvin St. Onge
8/28  1  Hardwick - Wendy Howes
9/5  1  Rock Meadow, Belmont - Laura Ferraguto
9/14  10  Sylvan Nursery, Dartmouth - Garry & Annie Kessler
9/17  1  Windsor - Bill Callahan
9/26  3  Hennessey Property, Grafton - Price, St. Onge, Miller
10/3  1  Joppa Flats, Newburyport - Matt Arey
10/4  1  Dunback Meadows, Lexington - Fred Bouchard

**Hackberry Emperor**
8/2  1  Sheffield - Matt Arey
8/9  6  Forest Park, Springfield - Bill Callahan
8/14  1  Forest Park, Springfield - Garry & Annie Kessler
8/17  1  Forest Park, Springfield - Bill Callahan

**Tawny Emperor**
7/3  2  S Berkshire NABA - Rene Wendell et al.
7/19  2  Northampton NABA - Mark Fairbrother et al.
8/7  1  Arcadia WS, Easthampton - Bill Callahan
8/13  1  Northampton CG - Tom Gagnon

**Northern Pearly-Eye**
6/28  1  Medfield - Erik Nielsen
6/28  3  Women’s SF, Petersham - Wendy Howes, Alan Rawle
6/30  1  Montague Plains - Jeremy Coleman
7/3  5  S Berkshire NABA - Rene Wendell et al.
7/4  2  Sherborn - Michael Newton
7/5  5  N Berkshire NABA - Tom Tyning et al.
7/9  3  South Gulf Rd., Belchertown - Elise Barry
7/19  2  Northampton NABA - Mark Fairbrother et al.
7/21  4  Windsor - Bill Callahan
8/5  1  Williamsburg - Bill Callahan
8/8  1  Bullitt TTOR, Ashfield - Bill Callahan
8/19  1  Otter River SF, Winchendon - Mark Lynch, Sheila Carroll

**Eyed Brown**
6/22  1  Norfolk - Brian Cassie

7/3  3  Ware River Watershed, Barre - Mark Lynch, Sheila Carroll
7/3  1  S Berkshire NABA - Rene Wendell et al.
7/4  9  C Franklin NABA - Mark Fairbrother et al.
7/9  3  Moran WMA, Windsor - Bill Callahan
7/12  8  C Berkshire NABA - Tom Tyning et al.
7/12  5  Berkshire County - Gael Hurley
7/21  2  Windsor - Bill Callahan
7/29  1  Belmont - Fred Bouchard
8/13  1  Petersham - Mark Lynch, Sheila Carroll

**Appalachian Brown**
6/8  1  FS WMA, Longmeadow - Bill Callahan
6/22  1  Norfolk - Brian Cassie
6/30  8  Slocum River Preserve, Dartmouth - Fred Bouchard
7/3  8  S Berkshire NABA - Rene Wendell et al.
7/4  13  C Franklin NABA - Mark Fairbrother et al.
7/5  21  N Berkshire NABA - Tom Tyning et al.
7/8  1  Mansfield - Jim Borrebach
7/12  13  C Berkshire NABA - Tom Tyning et al.
7/12  19  Truro NABA - Mark Faherty et al.
7/12  9  Blackstone Valley NABA - Tom Dodd et al.
7/19  6  Northampton NABA - Mark Fairbrother et al.
7/24  5  W Newbury - Bo Zaremab
8/6  4  Harvard Pond, Petersham - Wendy Howes, Alan Rawle
8/20  2  FS WMA, Longmeadow - Bill Callahan
8/23  2  FS WMA, Longmeadow - Jeremy Coleman
9/5  1  Rockport - Matt Arey

**Little Wood-Satyr**
5/28  1  Montague Plains - Bill Callahan
5/30  12  Amherst - Josh Rose
5/30  1  MBWMA, Newbury - Matt Arey
6/1  20  HPM, Woburn - Matt Arey
6/3  1  Lamson Rd, Foxborough - Madeline Champagne
6/7  29  Ware River Watershed, Barre - Mark Lynch, Sheila Carroll
6/9  10  Riis Hill DCR, Barre - Wendy Howes
6/13  20  Quabbin, Petersham - Wendy Howes, Alan Rawle
6/20  12  N Essex NABA - Mark Rosenstein et al.
6/23   1  Royalston - Carl Kamp
6/27    9  Thompson Fields, Harwich - Joe Dwelly
6/28    1  Williamsburg Flower Hill Farm - Carol Duke
6/28    3  LPWS, Barnstable - Joe Dwelly
7/2    30  BMB WS, Worcester - Dolores Price & Marvin St. Onge
7/3   21  S Berkshire NABA - Rene Wendell et al.
7/4    30  Sherborn - Michael Newton
7/4    24  C Franklin NABA - Mark Fairbrother et al.
7/4    3  Laughing Brook WS, Hampden - Erin Hough
7/5    43  N Worcester NABA - Wendy Howes et al.
7/5    30  Arnold Arboretum, Boston - Lucy Merrill-Hills
7/7    6  Quabbin Park, Belchertown - Rachel Bellenoit
7/8    12  Lakeview-Morse CA, Sharon - Madeline Champagne
7/9    35  Arnold Arboretum, Boston - Lucy Merrill-Hills
7/12    3  Truro NABA - Mark Faherty et al.
7/12    19  Blackstone Valley NABA - Tom Dodd et al.
7/12    6  Chesterfield - Wendy Howes, Alan Rawle
7/15    4  Williamsburg Flower Hill Farm - Carol Duke
7/19    13  Northampton NABA - Mark Fairbrother et al.
7/23    21  Hardwick - Mark Lynch, Sheila Carroll
7/26    1  Bart's Cobble, Sheffield - Bill & Nancy Callahan
8/6    1  Nasketucket Bay Reserve, Mattapoisett - Lauren Miller-Donnelly

**Common Ringlet**

5/20    3  McDonald Nature Preserve, Wilbraham - Bill Callahan
5/21    1  Rauscher Farm, Clinton - Dolores Price, Marvin St. Onge
5/26    10  Turkey Hill, Hingham - Tom Dodd
5/29    41  McDonald Nature Preserve, Wilbraham - Bill Callahan
5/30    50  Maudslay SP, NP - Bo Zaremba
5/31    15  Ward Res, Andover - Howard Hoople
6/3    10  New Salem - Dave Small
6/6    5  Dubuque SF, Hawley - Mark Lynch, Sheila Carroll
6/9    200  Riis Hill DCR, Barre - Wendy Howes
6/12    12  Montague Plains - Jeremy Coleman

6/13    342  BFD, Hubbardston - Karl Barry
6/13    115  Maudslay SP, NP - Bo Zaremba
6/19    12  NCM, Petersham - Bill & Cara Callahan
7/5    26  N Berkshire NABA - Tom Tyning et al.
7/19    4  Northampton NABA - Mark Fairbrother et al.
7/26    2  Lime Kiln, Sheffield - Bill & Nancy Callahan
7/29   25  Belmont - Fred Bouchard
7/31   100  Breakneck Hill Conservation Land, Southborough - Bruce deGraaf
8/6    46  Lime Kiln, Sheffield - Bill Callahan
8/9    100  High Ridge WMA, Westminster - MBC Trip
8/19   12  Bullit TTOR, Ashfield - Bill Callahan
8/22    10  Wendmuth Meadow, N. Brookfield - MBC Trip
9/3    4  F&W Rte1, Newbury - Matt Arey
10/1    1  Lexington - Jason Forbes
10/3    3  Joppa Flats, Newburport - Matt Arey

**Common Wood-Nymph**

7/3    41  S Berkshire NABA - Rene Wendell et al.
7/4    4  Sherborn - Michael Newton
7/5    42  N Berkshire NABA - Tom Tyning et al.
7/6    2  Monson - Erin Haugh
7/7    21  Elf Meadow CA, Amherst - Elise & Karl Barry
7/10    2  Pikes Bridge Rd, Newbury - Matt Arey
7/12   111  C Berkshire NABA - Tom Tyning et al.
7/12   100  Blackstone Valley NABA - Tom Dodd et al.
7/18   150  Falmouth NABA - Joe Dwelly et al.
7/19   110  Northampton NABA - Mark Fairbrother et al.
7/24    17  Woodsom Farm, Amesbury - Marjorie Watson
7/26   38  Brewster NABA - Joe Dwelly et al.
8/1    20  NCM, Petersham - MBC Trip
8/5    2  Gloucester - Tom Dodd
8/8    38  Bullit TTOR, Ashfield - Bill Callahan
8/15    2  Hennessey Property, Grafton - Dolores Price, Marvin St. Onge
8/22    3  Adams Farm, W. Bridgewater - Don Adams
8/30    2  Ware River Watershed, Barre - Mark Lynch, Sheila Carroll
9/3    3  Old Town Hill, Newbury - Matt Arey
9/6    2  Myles Standish State For. Carver - Matt Arey
9/11    1  Bullit TTOR, Ashfield - Bill Callahan
Monarch
5/22 1 Adams Farm, W. Bridgewater - Don Adams
5/29 1 Northampton - Tom Mangan
6/14 1 Lime Kiln, Sheffield - Bill Callahan
6/22 1 Grafton - Garry & Annie Kessler
7/1 1 Hull - Lori Kiesel Wolfe
7/3 9 S Berkshire NABA - Rene Wendell et al.
7/4 13 C Franklin NABA - Mark Fairbrother et al.
7/5 13 N Berkshire NABA - Tom Tyning et al.
7/12 18 Blackstone Valley NABA - Tom Dodd et al.
7/12 41 C Berkshire NABA - Tom Tyning et al.
7/16 23 Borden Colony, Raynham - Joe Dwelly
7/18 15 Falmouth NABA - Joe Dwelly et al.
7/19 79 Northampton NABA - Mark Fairbrother et al.
7/24 3 Moran WMA, Windsor - Bill Callahan
7/26 76 Brewster NABA - Joe Dwelly et al.
8/2 23 Borden Colony, Raynham - Joe Dwelly
8/9 13 High Ridge WMA, Westminster - MBC Trip
8/15 1 Granby - Erica Schwalm
8/18 12 Northampton CG - Bill Callahan
8/22 4 Arlington Heights - Lisa Wolfe
8/30 11 Hennessey Property, Grafton - Dolores Price, Marvin St. Onge
9/5 10 Rockport - Matt Arey
9/6 14 Williamsburg Flower Hill Farm - Carol Duke
9/12 24 AP Allens Neck, Dartmouth - MBC trip
9/15 25 SBSR - John Sullivan
9/23 53 Dartmouth - Brian Cassie
9/27 40 Newbury - Matt Arey
10/3 96 Dartmouth - Brian Cassie
10/10 23 Northampton CG - Bill Callahan
10/19 1 E Longmeadow - Deborah Bentley
10/19 6 Race Point, Provincetown - Jeremy Coleman
10/22 20 AP Field Station, Dartmouth - Michael Newton
10/27 2 Morris Island, Chatham - Josh Rose
11/7 4 Dartmouth - Lauren Miller-Donnelly
Silver-spotted Skipper
5/21 1 Little Mount Tom, Holyoke - Bill Callahan
5/29 1 MBWMA, Newbury - Fred Bouchard
6/8 10 FS WMA, Longmeadow - Bill Callahan
6/12 16 Montague Plains - Jeremy Coleman
6/14 13 Leicester - Dolores Price, Marvin St. Onge
6/30 10 Amherst - Josh Rose
7/3 57 S Berkshire NABA - Rene Wendell et al.
7/4 10 New Salem - Garry & Annie Kessler
7/4 269 C Franklin NABA - Mark Fairbrother et al.
7/5 61 N Worcester NABA - Wendy Howes et al.
7/5 46 N Berkshire NABA - Tom Tyning et al.
7/12 35 Blackstone Valley NABA - Tom Dodd et al.
7/12 84 C Berkshire NABA - Tom Tyning et al.
7/12 27 Truro NABA - Mark Faherty et al.
7/15 19 Graves Farm, Williamsburg - Bill Callahan
7/19 151 Northampton NABA - Mark Fairbrother et al.
7/19 225 Leicester - MBC Trip
7/23 65 MMP, Williamstown - Tor Hansen
7/26 12 Brewster NABA - Joe Dwelly et al.
8/2 12 Sheffield - Matt Arey
8/11 26 Florence Community Gardens - Bill Callahan
8/20 1 Ashley Pond, Holyoke - Erin Hough
8/26 1 Newbury, Tendercrop Farm - Lucy Merrill-Hills
9/4 2 Arnold Arboretum, Boston - Lucy Merrill-Hills
9/7 4 Arnold Arboretum, Boston - MBC trip
9/9 10 Florence Community Gardens - Bill Callahan
9/13 1 Rough Meadows WS, Rowley - Matt Arey
9/27 1 Northampton CG - Bill Callahan
10/1 1 Concord - Fred Bouchard
Long-tailed Skipper
9/9 1 Wareham - Andrew Griffith
9/25 1 Wareham - Andrew Griffith
10/3 1 Sylvan Nursery, Dartmouth - Michael Newton, Andrew Griffith
Hoary Edge
6/12 1 Montague Plains - Jeremy Coleman
6/15 1 Montague Plains - Frank Bowrys
6/15 9 BMB WS, Worcester - Garry & Annie Kessler
6/24 1 Montague Plains - Jeremy Coleman
6/25 9 BMB WS, Worcester - Garry & Annie Kessler
7/4 1 Oak St. PL, Shrewsbury - Bruce deGraaf
Southern Cloudywing
6/1 1 HPM, Woburn - Matt Arey
6/4 2 Crane WMA, Falmouth - Andrew Griffith
6/12 1 Montague Plains - Jeremy Coleman
6/15 2 BMB WS, Worcester - Garry & Annie Kessler
6/20 3 MSSF, Plymouth - Andrew Griffith
6/21 1 Oak St. PL, Shrewsbury - Bruce deGraaf
6/25 2 McDonald Nature Preserve, Wilbraham - Bill Callahan
6/26 3 Crane WMA, Falmouth - Andrew Griffith
6/28 1 MSSF, Plymouth - Rosemary Mosco
7/4 2 C Franklin NABA - Mark Fairbrother et al.

Northern Cloudywing
5/29 4 McDonald Nature Preserve, Wilbraham - Bill Callahan
5/31 1 Crane WMA, Falmouth - Joe Dwelly
5/31 2 Hennessey Property, Grafton - Marvin St. Onge, Dolores Price
6/1 8 HPM, Woburn - Matt Arey
6/2 1 Crane WMA, Falmouth - Joe Dwelly
6/5 1 Ashfield - Jeremy Coleman
6/9 14 McDonald Nature Preserve, Wilbraham - Bill Callahan
6/15 4 BMB WS, Worcester - Garry & Annie Kessler
6/17 2 Hinsdale - Gael Hurley
6/17 5 BMB WS, Worcester - Bo Zaremba
6/25 3 McDonald Nature Preserve, Wilbraham - Bill Callahan
7/2 5 McDonald Nature Preserve, Wilbraham - Bill Callahan
7/4 2 C Franklin NABA - Mark Fairbrother et al.

Dreamy Duskywing
5/2 1 MSSF, Plymouth - Michael Newton
5/14 1 Delaney WMA, Stow - Mark Rosenberg
5/22 2 Shrewsbury High School - Bruce deGraaf
5/22 8 Montague Plains - Michael Newton
5/24 1 Oak St. PL, Shrewsbury - Bruce deGraaf
5/27 1 Hinsdale - Gael Hurley
5/28 1 Montague Plains - Bill Callahan
5/30 1 MBWMA, Newbury - Matt Arey
6/12 1 Oak St. PL, Shrewsbury - Bruce deGraaf
6/17 2 BMB WS, Worcester - Dolores Price, Marvin St. Onge

Sleepy Duskywing
5/2 1 MSSF, Plymouth - Rosemary Mosco
5/5 6 MSSF, Plymouth - Moore, Dinius
5/15 3 Crane WMA, Falmouth - Andrew Griffith
5/31 1 BMB WS, Worcester - Garry Kessler

Juvenal’s Duskywing
4/23 1 MSSF, Plymouth - Joe Dwelly
4/25 1 Montague Plains - Mark Fairbrother
4/28 1 McDonald Nature Preserve, Wilbraham - Bill Callahan
5/3 3 Sudbury - Jason Forbes
5/4 12 Montague Plains - Jeremy Coleman
5/5 10 MSSF, Plymouth - Moore, Dinius
5/12 1 Westborough - Ken Prince
5/14 2 Delaney WMA, Stow - Mark Rosenberg
5/15 1 Lamson Rd, Foxborough - Madeline Champagne
5/16 1 Yarmouth, Flax Pond - Joe Dwelly
5/20 32 Montague Plains - Jeremy Coleman
5/22 25 Montague Plains - Michael Newton
5/27 1 Hinsdale - Gael Hurley
5/30 2 Athol - Dave Small
5/31 2 Crane WMA, Falmouth - Joe Dwelly
6/1 3 HPM, Woburn - Matt Arey
6/14 1 Montague Plains - Jeremy Coleman
6/16 1 MSSF, Plymouth - Andrew Griffith

Horace’s Duskywing
7/10 2 MSSF, Plymouth - Andrew Griffith
7/16 2 Arnold Arboretum, Boston - Lucy Merrill-Hills
7/18 6 Falmouth NABA - Joe Dwelly et al.
7/26 20 Brewster NABA - Joe Dwelly et al.
7/29 1 East Wareham - Laura Sayward
8/3 1 Plymouth - Robin Gross
8/30 1 DCR Kristoff Farm, Sterling - Garry & Annie Kessler
8/30 1 Pine Hill, Plymouth - Robin Gross

Wild Indigo Duskywing
5/5 3 MSSF, Plymouth - Moore, Dinius
5/7 2 Delaney WMA, Stow - Steve Moore
5/22 6 Dauphinais Park, Grafton - Dolores Price, Martin St. Onge
7/19 11 Northampton NABA - Mark Fairbrother et al.
8/8 30 GBH, Canton - Matt Arey, Michael Newton
10/1 1 Sharon - Madeline Champagne
10/3 1 Arnold Arboretum, Boston - Lucy Merrill-Hills
Common Sootywing
3/28 1 Granville - Peter DeGennaro
5/16 1 Montague Plains - Bill Callahan
5/31 1 Florence - Tom Gagnon
7/5 3 N Worcester NABA - Wendy Howes et al.
7/16 6 Amherst - Josh Rose
7/19 36 Northampton NABA - Mark Fairbrother et al.
8/7 3 Arcadia WS, Easthampton - Bill Callahan
8/13 2 Hatfield - Allyn Gieryk
8/28 1 Florence Community Gardens - Bill Callahan
8/31 2 Boston Nature Center - Lucy Merrill-Hills

Arctic Skipper
6/2 1 Washington - Gael Hurley
6/4 18 Moran WMA, Windsor - Bill Callahan
6/6 3 Windsor - Bill Callahan
6/6 1 Berkshire County - Jeremy Coleman
6/13 5 Windsor - Bill & Cara Callahan
6/18 5 Windsor - Tom Gagnon
6/20 1 Moran WMA, Windsor - Jeremy Coleman

Least Skipper
5/2 9 Chatham - Fred Bouchard
5/30 3 Boston Nature Center - Lucy Merrill-Hills
6/9 1 Crane WMA, Falmouth - Joe Dwelly
6/12 7 FS WMA, Longmeadow - Bill Callahan
6/13 4 Groton - Tom Murray
6/18 3 Danvers Meadow, Danvers - Lucy Merrill-Hills
6/19 2 Tower Hill, Boylston - Fred Bouchard
6/20 1 Billerica - Carol Backman
6/20 25 N Essex NABA - Mark Rosenstein et al.
6/25 12 Grafton - Dolores Price, Wendy Miller
6/28 3 Medfield - Erik Nielsen
7/3 7 S Berkshire NABA - Rene Wendell et al.
7/4 5 C Franklin NABA - Mark Fairbrother et al.
7/5 10 FS WMA, Longmeadow - Erin Haugh
7/5 9 N Berkshire NABA - Tom Tyning et al.
7/5 14 N Worcester NABA - Wendy Howes et al.
7/18 4 Falmouth NABA - Joe Dwelly et al.
7/19 4 Northampton NABA - Mark Fairbrother et al.

European Skipper
8/1 2 Knightsville WMA, Huntington - Mark Lynch, Sheila Carroll
8/3 1 Peaked Mt., Monson - Erin Hough
8/8 5 Nasketucket Bay Reserve, Mattapoisett - Matt Arey, Michael
8/9 11 High Ridge WMA, Westminister - MBC Trip
8/14 1 East Wareham - Laura Sayward
8/20 1 Grafton - Dolores Price, Marvin St. Onge
8/20 21 FS WMA, Longmeadow - Bill Callahan
8/22 15 Wendmuth Meadow, N. Brookfield - MBC Trip
8/23 20 Church's Field, Rochester RTL - Andrew Griffith
8/28 3 Amherst, Macleod Field - Karl & Elise Barry
9/5 5 Rockport - Matt Arey
9/15 12 FS WMA, Longmeadow - Bill Callahan
9/17 1 Newbury - Bo Zaremba
10/3 2 Newbury - Matt Arey

Fiery Skipper
8/11 1 Beverly - Karen Haley
8/25 1 Wareham - Andrew Griffith
8/26 1 Hennessey Property, Grafton - Dolores Price, Marvin St. Onge
8/28 1 Marshfield - Susan Browne
8/31 1 Concord - Garry & Annie Kessler
9/1 1 LPWS, Barnstable - Joe Dwelly
9/1 1 Athol - David Small
9/5 5 Sylvan Nursery, Dartmouth - MBC Trip
9/7 1 Belmont - Fred Bouchard
9/8 1 Wareham - Andrew Griffith
9/12 1 AP Allens Neck, Dartmouth - MBC trip
9/12 1 Arlington Heights - Lisa Wolfe
9/13 3 F&W Rte1, Newbury - Matt Arey
9/14 1 Sylvan Nursery, Dartmouth - Garry & Annie Kessler
9/23 3 Dartmouth - Brian Cassie
9/27 1 Plum Island, Newbury - Matt Arey
10/3 6 Sylvan Nursery, Dartmouth - Michael Newton, Andrew Griffith

**Leonard's Skipper**
8/17 1 BMB WS, Worcester - Garry & Annie Kessler
8/20 3 Grafton - Dolores Price, Marvin St. Onge
8/22 2 Wendmuth Meadow, N. Brookfield - MBC Trip
8/30 1 BMB WS, Worcester - Bill & Nancy Callahan
8/30 1 Mt A, Cambridge - Fred Bouchard
9/5 1 Rockport - Matt Arey
9/9 1 Wareham - Andrew Griffith

**Croswell Skipper**
5/16 2 Montague Plains - Bill Callahan
5/17 1 Rough Meadows WS, Rowley - Matt Arey
5/22 25 Montague Plains - Michael Newton
5/28 5 Montague Plains - Bill Callahan
6/3 8 Montague Plains - Jeremy Coleman
6/12 1 Montague Plains - Jeremy Coleman

**Indian Skipper**
5/30 13 Maudslay SP, NP - Bo Zaremba
5/31 14 Florence - Bill Callahan
5/31 1 MSSF, Plymouth - Andrew Griffith
6/1 1 Montague Plains - Jeremy Coleman
6/1 1 HPM, Woburn - Matt Arey
6/9 3 Rough Meadows WS, Rowley - Matt Arey
6/20 3 N Essex NABA - Mark Rosenstein et al.
6/21 2 Ware River Watershed, Barre - Mark Lynch, Sheila Carroll

**Peck's Skipper**
5/24 3 Oak St. PL, Shrewsbury - Bruce deGraaf
5/27 1 Borden Colony, Raynham - Joe Dwelly
5/29 3 McDonald Nature Preserve, Wilbraham - Bill Callahan
5/31 12 Hennessey Property, Grafton - Marvin St. Onge, Dolores Price
6/9 18 McDonald Nature Preserve, Wilbraham - Bill Callahan
6/12 12 Adams Farm, W. Bridgewater - Don Adams
6/13 16 Groton - Tom Murray
6/16 18 McDonald Nature Preserve, Wilbraham - Bill Callahan
6/20 18 N Essex NABA - Mark Rosenstein et al.
7/5 19 N Berkshire NABA - Tom Tyning et al.
7/21 27 Windsor - Bill Callahan
7/26 4 Brewster NABA - Joe Dwelly et al.
8/1 10 Grafton - Dolores Price, Marvin St. Onge
8/5 3 Gloucester - Tom Dodd
8/10 5 Boston Nature Center - Lucy Merrill-Hills
8/18 11 Northampton CG - Bill Callahan
8/22 25 Gulliver Meadow CA, Amherst - Mark Fairbrother
8/23 20 Church's Field, Rochester RTL - Andrew Griffith
8/31 1 Arlington Heights - Lisa Wolfe
9/6 30 AP, Dartmouth - Matt Arey
9/16 2 Florence Community Gardens - Bill Callahan
9/17 28 Newbury - Bo Zaremba
9/27 15 F&W Rte1, Newbury - Matt Arey
10/3 15 Newbury - Matt Arey
10/10 1 Arnold Arboretum, Boston - Lucy Merrill-Hills

**Tawny-edged Skipper**
5/20 3 Montague Plains - Jeremy Coleman
5/30 6 Maudslay SP, NP - Bo Zaremba
6/20 13 N Essex NABA - Mark Rosenstein et al.
6/25 2 Oak St. PL, Shrewsbury - Bruce deGraaf
6/28 1 LPWS, Barnstable - Joe Dwelly
7/5 2 N Berkshire NABA - Tom Tyning et al.
7/12 9 C Berkshire NABA - Tom Tyning et al.
7/21 2 MHF, Sharon - Lucy Merrill-Hills
7/31 2 Warwick - Mark Lynch, Sheila Carroll
8/8 5 GBH, Canton - Matt Arey, Michael Newton
8/18 10 Northampton CG - Bill Callahan
8/20 1 MHF, Sharon - Madeline Champagne
8/25 2 Groton - Tom Murray
8/28 1 Florence Community Gardens - Bill Callahan
8/30 1 Arnold Arboretum, Boston - Lucy Merrill-Hills
9/12  1  AP Allens Neck, Dartmouth - MBC trip

**Crossline Skipper**

6/13   1  Groton - Tom Murray
6/26   1  Crane WMA, Falmouth - Andrew Griffith
7/2    1  Holliston - Richard Hildreth
7/4    8  C Franklin NABA - Mark Fairbrother et al.
7/10   1  MSSF, Plymouth - Andrew Griffith
7/12   1  Berkshire County - Gae Hurley
7/18   2  Falmouth NABA - Joe Dwelly et al.
7/26   3  Brewster NABA - Joe Dwelly et al.
7/26   1  Petersham - Mark Lynch, Sheila Carroll
8/2    1  Dartmouth - Andrew Griffith
8/23   1  Dauphinais Park, Grafton - Dolores Price, Marvin St. Ongé

**Long Dash**

5/29  3  McDonald Nature Preserve, Wilbraham - Bill Callahan
5/30  2  MBWMA, Newbury - Matt Arey
5/30  2  Maudslay SP, NP - Bo Zaremba
5/31  22  Florence - Bill Callahan
6/7  17  Hennessey Property, Grafton - Marvin St. Ongé, Dolores Price
6/8  1  Concord - Martha Gach
6/9  6  McDonald Nature Preserve, Wilbraham - Bill Callahan
6/13  19  Maudslay SP, NP - Bo Zaremba
6/13  12  Groton - Tom Murray
6/13  6  Ashfield - Jeremy Coleman
6/19  6  NCM, Petersham - Bill & Cara Callahan
6/20  31  Maudslay SP, NP - Bo Zaremba
6/20  33  N Essex NABA - Mark Rosenstein et al.
6/27  9  Thompson Fields, Harwich - Joe Dwelly
6/28  20  MSSF, Plymouth - Rosemary Mosco
7/5  14  N Berkshire NABA - Tom Tyning et al.
7/10  2  MSSF, Plymouth - Andrew Griffith
7/12  7  C Berkshire NABA - Tom Tyning et al.
8/21  1  Rock Meadow, Belmont - Rosemary Mosco
8/26  2  Natick - Tom Dodd
9/7   1  Belmont - Rosemary Mosco
9/13   1  F&W Rte1, Newbury - Matt Arey

**Northern Broken-Dash**

6/12  1  Oak St. PL, Shrewsbury - Bruce deGraaf
7/3  4  S Berkshire NABA - Rene Wendell et al.

7/5  18  N Berkshire NABA - Tom Tyning et al.
7/12  27  C Berkshire NABA - Tom Tyning et al.
7/12  34  Blackstone Valley NABA - Tom Dodd et al.
7/18  44  Falmouth NABA - Joe Dwelly et al.
7/18   3  MMP, Williamstown - Bill & Cara Callahan
7/19  62  Northampton NABA - Mark Fairbrother et al.
7/21  21  MHR, Sharon - Lucy Merrill-Hills
7/26  79  Brewster NABA - Joe Dwelly et al.
8/5  3  Arlington Heights - Lisa Wolfe
8/8  1  Bullitt TTOR, Ashfield - Bill Callahan
8/8  1  Williamsburg - Bill Callahan
8/23  1  Harwich - Mark Faherty

**Little Glassywing**

6/13  1  Quabbin, Petersham - Wendy Howes, Alan Rawle
6/18  3  FS WMA, Longmeadow - Bill Callahan
6/23  1  Rowley - Bo Zaremba
6/28  1  MSSF, Plymouth - Rosemary Mosco
7/2  10  BMB WS, Worcester - Dolores Price & Marvin St. Ongé
7/3  41  S Berkshire NABA - Rene Wendell et al.
7/4  13  C Franklin NABA - Mark Fairbrother et al.
7/5  13  N Worcester NABA - Wendy Howes et al.
7/5  11  N Berkshire NABA - Tom Tyning et al.
7/8  8  Lakeview-Morse CA, Sharon - Madeline Champagne
7/12  33  Blackstone Valley NABA - Tom Dodd et al.
7/15  1  Wareham - Andrew Griffith
7/18  2  Falmouth NABA - Joe Dwelly et al.
7/23  70  MMP, Williamstown - Tor Hansen
8/8  2  Arnold Arboretum, Boston - Lucy Merrill-Hills
8/19  1  Arnold Arboretum, Boston - Lucy Merrill-Hills

**Sachem**

8/5  1  White Horse Beach, Plymouth - Mark Faherty
8/30  1  Wareham - Andrew Griffith
9/3   1  Old Town Hill, Newbury - Matt Arey
9/5  6  Sylvan Nursery, Dartmouth - MBC Trip
9/6  1  Wareham - Andrew Griffith
9/6  3  AP, Dartmouth - Matt Arey
9/12  3  Sylvan Nursery, Dartmouth - MBC trip
9/14 11 Sylvan Nursery, Dartmouth - Garry & Annie Kessler
9/16 1 Wareham - Andrew Griffith
9/23 9 Dartmouth - Brian Cassie
9/23 1 Wareham - Andrew Griffith
10/3 4 Dartmouth - Brian Cassie
10/3 10 Sylvan Nursery, Dartmouth - Michael Newton, Andrew Griffith
10/22 2 Sylvan Nursery, Dartmouth - Michael Newton

Delaware Skipper
6/15 1 Oak St. PL, Shrewsbury - Bruce deGraaf
6/26 1 Crane WMA, Falmouth - Andrew Griffith
6/30 1 Amherst - Josh Rose
7/2 19 Crane WMA, Falmouth - Joe Dwelly et al.
7/4 8 C Franklin NABA - Mark Fairbrother et al.
7/5 8 N Worcester NABA - Wendy Howes et al.
7/12 10 C Berkshire NABA - Tom Tyning et al.
7/12 11 Blackstone Valley NABA - Tom Dodd et al.
7/18 3 Falmouth NABA - Joe Dwelly et al.
7/19 7 Northampton NABA - Mark Fairbrother et al.
7/23 10 MMP, Williamstown - Tor Hansen
7/24 1 Moran WMA, Windsor - Bill Callahan
7/26 1 West Whately - Bill Benner, Joe Wicinski

Mulberry Wing
7/3 1 S Berkshire NABA - Rene Wendell et al.
7/4 5 Sherborn - Michael Newton
7/5 4 Ware - Garry & Annie Kessler
7/7 12 Cedar Hill, Northborough - Garry & Annie Kessler
7/10 5 Pikes Bridge Rd, Newbury - Matt Arey
7/12 4 C Berkshire NABA - Tom Tyning et al.
7/12 15 Blackstone Valley NABA - Tom Dodd et al.
7/13 28 McDonald Nature Preserve, Wilbraham - Bill Callahan
7/16 2 Noquochoke Reserve, Dartmouth - Andrew Griffith
7/16 15 Leverett, Depot Road PL - Mark Fairbrother
7/19 15 Northampton NABA - Mark Fairbrother et al.
7/20 11 McDonald Nature Preserve, Wilbraham - Bill Callahan
7/24 1 Otter River SF, Winchendon - Mark Lynch, Sheila Carroll
8/2 1 Grafton - Dolores Price, Marvin St. Onge

Hobomok Skipper
5/30 25 MBWMA, Newbury - Matt Arey
6/2 1 Washington - Gael Hurley
6/2 4 FS WMA, Longmeadow - Bill Callahan
6/4 1 Mount Holyoke, Hadley - Tom Gagnon
6/5 1 West Whately - Bill Benner, Joe Wicinski
6/6 17 Windsor - Bill Callahan
6/6 3 Dubuque SF, Hawley - Mark Lynch, Sheila Carroll
6/9 5 Rough Meadows WS, Rowley - Matt Arey
6/12 1 Waltham - Linda Graetz
6/14 7 Lime Kiln, Sheffield - Bill Callahan
6/17 2 Ware - Bill Callahan
6/21 1 Cumington - Henry Chinski et al.
6/23 1 Oak St. PL, Shrewsbury - Bruce deGraaf
7/3 7 S Berkshire NABA - Rene Wendell et al.
7/5 1 Cumington - Henry Chinski et al.
7/5 9 N Berkshire NABA - Tom Tyning et al.
7/9 1 South Gulf Rd., Belchertown - Elise Barry
7/12 2 C Berkshire NABA - Tom Tyning et al.

Zabulon Skipper
5/24 1 FS WMA, Longmeadow - Bill Callahan
5/30 1 MBWMA, Newbury - Matt Arey
6/8 13 FS WMA, Longmeadow - Bill Callahan
6/13 5 FS WMA, Longmeadow - Erin Hough et al.
6/17 1 FS WMA, Longmeadow - Jeremy Coleman
6/28 1 Horseneck Beach, Westport - Fred Bouchard
7/2 3 Burma Road, Milton - Lucy Merrill-Hills
8/1 1 Berkley - Bette Chew
8/1 1 Berkley - Bette Chew
8/8 12 Nasketucket Bay Reserve, Mattapoisett - Matt Arey, Michael Newton
8/18 10 Northampton CG - Bill Callahan
8/22 8 Nasketucket Bay Reserve, Mattapoisett - Lauren Miller-Donnelly
8/25 3 Northampton CG - Bill Callahan
9/7 4 Arnold Arboretum, Boston - MBC trip
9/13 1 Rough Meadows WS, Rowley - Matt Arey
9/23  4  Dartmouth - Brian Cassie
10/3  1  Sylvan Nursery, Dartmouth - Michael Newton, Andrew Griffith

**Broad-winged Skipper**
7/7  5  Cedar Hill, Northborough - Garry & Annie Kessler
7/12  1  Truro NABA - Mark Faherty *et al.*
7/14  2  Millenium Park, Roxbury - Lucy Merrill-Hills
7/15  3  Graves Farm, Williamsburg - Bill Callahan
7/26  27  Brewster NABA - Joe Dwelly *et al.*
7/27  4  Salisbury - Tom Dodd
7/30  11  Cherry Hill Res, W Newbury - Bo Zaremba
7/30  1  FS WMA, Longmeadow - Bill Callahan
8/2  5  Grafton - Dolores Price, Marvin St. Onge
8/5  1  Gloucester - Tom Dodd
8/6  1  Great Barrington - Bill Callahan
8/17  2  BMB WS, Worcester - Garry & Annie Kessler
9/6  1  AP, Dartmouth - Matt Arey
9/23  1  Dartmouth - Brian Cassie

**Dion Skipper**
7/6  2  Fitzgerald Lake, Florence - Bill Callahan
7/10  1  Berkshire County - Gael Hurley
7/12  2  C Berkshire NABA - Tom Tyning *et al.*
7/14  1  Windsor - Bill Callahan

**Black Dash**
7/2  18  McDonald Nature Preserve, Wilbraham - Bill Callahan
7/4  6  Sherborn - Michael Newton
7/12  5  Berkshire County - Gael Hurley
7/12  5  Blackstone Valley NABA - Tom Dodd *et al.*
7/13  34  McDonald Nature Preserve, Wilbraham - Bill Callahan
7/15  3  Leicester - Dolores Price, Marvin St. Onge
7/15  1  Graves Farm, Williamsburg - Bill Callahan
7/16  1  Noquochoke Reserve, Dartmouth - Andrew Griffith
7/16  2  Leverett, Depot Road PL - Mark Fairbrother
7/19  10  Northampton NABA - Mark Fairbrother *et al.*
7/19  2  Leicester - MBC Trip
7/20  12  McDonald Nature Preserve, Wilbraham - Bill Callahan
8/1  1  Grafton - Dolores Price, Marvin St. Onge

**Two-spotted Skipper**
7/4  1  New Salem - Garry & Annie Kessler
7/5  1  N Berkshire NABA - Tom Tyning *et al.*
7/10  1  Berkshire County - Gael Hurley
7/12  1  C Berkshire NABA - Tom Tyning *et al.*

**Dun Skipper**
6/20  2  MBWMA, Newbury - Mark Rosenstein
7/3  12  S Berkshire NABA - Rene Wendell *et al.*
7/4  47  C Franklin NABA - Mark Fairbrother *et al.*
7/5  17  N Berkshire NABA - Tom Tyning *et al.*
7/6  16  MBWMA, Newbury - Bo Zaremba
7/12  17  Truro NABA - Mark Faherty *et al.*
7/12  108  Blackstone Valley NABA - Tom Dodd *et al.*
7/14  28  Windsor - Bill Callahan
7/18  15  Warren - Mark Lynch, Sheila Carroll
7/19  92  Northampton NABA - Mark Fairbrother *et al.*
7/26  21  Brewster NABA - Joe Dwelly *et al.*
8/3  11  Windsor - Bill Callahan
8/8  2  Arnold Arboretum, Boston - Lucy Merrill-Hills
8/13  2  Williamsburg - Bill & Cara Callahan
8/17  1  BMB WS, Worcester - Garry & Annie Kessler

**Dusted Skipper**
5/21  1  Little Mount Tom, Holyoke - Bill Callahan
5/26  1  Lamson Rd, Foxborough - Madeline Champagne
5/31  12  Lamson Rd, Foxborough - Madeline Champagne
5/31  2  Dauphinais Park, Grafton - Marvin St. Onge, Dolores Price
6/1  10  HPM, Woburn - Matt Arey
6/8  10  Lamson Rd, Foxborough - Madeline Champagne
6/12  3  Montague Plains - Jeremy Coleman
6/16  1  MSSF, Plymouth - Andrew Griffith
6/17  2  Ware - Bill Callahan
6/17  1  Franklin - Keith Shaw

**Pepper and Salt Skipper**
6/2  1  Washington - Gael Hurley
6/3  4  Gate 8, Belchertown - Mark Lynch, Sheila Carroll
6/3  1  New Salem - Mark Lynch, Sheila Carroll
6/6  3  Windsor - Bill Callahan
<table>
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**Ocola Skipper**

*Common Sootywing, (Pholisora catullus), 8/26/20, Boston, MA, Mark Rosenstein*

**Fiery Skipper**

*(Hylephila phyleus), 8/25/20, Wareham, MA, Andrew Griffith*
Late in 2020 I re-discovered this 4-Pic demonstration I did on how to safely remove a Monarch chrysalis from a plastic container (great for raising cats: NOT great for eclosing butterflies which are not able to re-climb the plastic if they fall and then become wing-cripples).

All one will need is a wide roll of scotch tape, and a pair of sharp pointed manicure tweezers. Perform this operation a day or two after pupation has occurred and the chrysalis chorion has hardened. Pic #1 shows the result after laying down a triangular pattern of three 2 inch long pieces of tape as close to the cremaster as possible. Chrysalids will almost always be spun up on the container cover, and no harm will come if you invert the cover on a flat work surface and the chrysalis flops onto its side. Now just follow these steps …

1) Mark the first tape piece set down at one end with a felt pen after it’s been pressed firmly in place. It’s important to set tape down following ALL contours of the plastic cover as shown in Pic #1.

2) Place the second piece of tape such that one end overlaps the first piece marked end and also pressed down firmly again close the chrysalis cremaster.

3) Set the third tape piece down, one end overlapping the second piece and the other end overlapping the first piece to form the triangle as in Pic #1.

4) Now, with a teaspoon, press and rub down firmly on all tape pieces together.

5) This next step is slightly tricky but practice will make perfect. Using the pointed tweezers, pry under tape piece #1 at the marked end to lift. Sometimes it helps to start lifting with a razor knife instead of tweezers but the idea is to lift tape pieces 1 & 2 together enough to grasp with your fingers (Pic #2).

6) Now, just continue slowly lifting the entire tape pad as in Pic #3 & 4.

The tape pad with chrysalis can now be mounted to any other suitable location.
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Volunteer Services include leading field trips or counts; producing and selling club goods; working for Barbara J. Walker Butterfly Festival; manning the MBC table at Mass Land Conservation Conference or other events; helping at the Pot Luck; running the MBC Monarch Guardian Program; leading walks for, or speaking to, trusts or other organizations; conducting butterfly classes; leading and participating in the Hessel’s Hairstreak Project and other volunteer butterfly projects; contributing articles and photos to the club journal (Spring, Fall); working toward the establishment of a state butterfly; serving on the Executive Committee or the Nominating Committee; administering MA Butterfly Club Facebook group and the MassLep listserv; other services. Apologies to anyone we inadvertently missed.

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Lisa Wolfe
Bo Zaremba
Christine Zendeh
Soheil Zendeh

Zabulon Skipper (Poanes zabulon), 8/20/20, Wareham, MA, Andrew Griffith
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 31 for the Spring issue.

Send NABA Fourth of July count results to Tom Gagnon at: tombwhawk@aol.com, by **August 15** for inclusion in the Fall issue. Send your season sightings and records to Mark Fairbrother at: 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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Red-spotted Admiral (*Limenitis arthemis*),
7/10/20, Duxbury, MA, Susan Browne

Painted Lady (*Vanessa cardui*),
8/17/20, Arlington, MA, Lisa Wolfe