# NORTH AMERICAN BUTTERFLY ASSOCIATION

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## ANNUAL NABA BUTTERFLY COUNT - INSTRUCTIONS (USA)

**This printed count forms is for field use *only*. All counts must submit their results using the online data entry system. Please contact the NABA Count Program if you have questions or concerns.**

Please report your count results directly to NABA through our online count form at www.butterflycounts.org. The online form allows compilers to enter all data for their counts through the Web and also allows the regional editors to review and edit the reports efficiently. Most importantly, Butterfly Count information will be entered and stored in a database which in the future will allow it to be available online to NABA members and the public. If entering your data through the online count form presents any difficulty, please contact NABA for assistance.

### COUNT PROGRAM OVERVIEW

In order to encourage increased participation in the NABA Butterfly Count Program and to encourage even more monitoring possibilities, the NABA Board of Directors authorized the introduction of Seasonal Butterfly Counts in 2007. Prior to 2007, only one count per count circle per year could be submitted to NABA. With the introduction of Seasonal Butterfly Counts, a group can, if it so wishes, submit multiple counts of the same circle; however there can still be only one count conducted in the June-July period. For example, a group could count a circle in May, in July, and in Sept., and have the results of all three counts flow into the database that NABA is creating and also be published in the NABA Butterfly Count Report. A NABA Seasonal Butterfly Count should be submitted only if the compiler believes it is likely that a count of that particular circle at that time of year can be maintained long term.

### TIMING OF THE COUNT

4th of July Counts may be held any day in June or July. Seasonal Counts may be held any day outside of June-July. Participants should select ONE DATE (one calendar day) on which to compile a list of butterflies observed during a period not longer than 24 hours. The date of your count will determine the minimum number of adult observers and party-hours required:

| | Timing/Requirements for United Stated Counts |
|---|---|
| **Count Date of June or July** | NABA 4th of July Butterfly Count: A **minimum** of **four adult observers** AND **6 party-hours per count** are **REQUIRED** for all counts started after 2008; and, except in extenuating circumstances, **ALL counts should expend at least 6 party-hours** of effort. |
| **Count Date other than June or July** | NABA Seasonal Butterfly Count: A **minimum** of **four adult observers** AND **6 party-hours per count** is **REQUIRED**. |

### DATE OF NEXT YEAR'S COUNT

**Please contact NABA (at address/phone above, or e-mail to cerbone@naba.org) with the date of your next year's count and information on how to contact the compiler.** This information is given to people asking about counts in their area, and is entered on the website.

Count data must be entered online at http://www.butterflycounts.org/

**Count forms can be downloaded from www.naba.org/counts.html. The count form can be filled in to use as a guide when submitting count data online.**

### COUNTERS & COUNT CIRCLES

Unless your count is an existing 4th of July count started before 2008, at least 4 adult observers must participate. One or more groups of counters always produce better results. It is usually desirable to visit several habitats and areas within a count circle, which may be done best by several parties. Since counts are open for public participation, we encourage you to publicize your count plans!

A count is held at one or more selected sites within a 15-mile diameter CIRCLE. Groups starting a new count MUST designate this 15-mile diameter circle. No count circles may overlap—that is, count centers must be a minimum of 15 miles apart. Groups repeating a count held a previous year MUST use the same circle, and count the same sites and habitats as before so far as practical.

Up to THREE counts per circle per year (one Spring Seasonal count, one 4th of July count, and one Fall Seasonal count) will be published in the annual Count Report.

The goal of the count is not to compete for the highest numbers, but rather to provide long-term data on trends in butterfly populations. Sites should be chosen for the likelihood that the count can be repeated year after year, not just for richness or rarities. Counts held only one year at distant localities are not as valuable. Most of the interest to counters comes from comparisons of annual results within their own count circle. Children who participate in and contribute to a count are considered field observers.

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## RULES FOR CONDUCTING THE COUNT

- Count only within an area 7.5 miles in radius from a designated center (making a 15-mile-diameter circle).
- For a given count, survey within the same circle every year. If any change is made to the count circle or center, notify NABA Vice President Jim Springer (springer@naba.org).
- Report only adult butterflies actually observed alive in the wild during a single, one-day period. Butterflies seen from cars or other conveyances may be counted.
- Species that are unusual for your location or date should be documented by photographs if possible, which should be submitted online with your other count data.
- You may estimate the number of butterflies you ACTUALLY SEE (e.g. if there are a great number of American Snouts in a tree, you may count the number in a portion of the tree and extrapolate to generate an estimate of the total number you ACTUALLY SEE in the tree), but not the number of butterflies you think you would have seen had you covered more of the same habitat (e.g., do NOT multiply a count of 1 acre by the number of acres of similar habitat nearby or in the circle but not covered; do not estimate the number of butterflies in a field by walking through a portion of the field and estimating how many butterflies might be in the entire field; and do not multiply numbers seen during some time period by the number of similar time periods that you think butterflies would have been flying.). **If you estimate numbers of butterflies that you actually saw, please explain your method of estimating in your Field Notes. Compilers should explain to all participants the need for reporting an estimation method.**
- Keep an accurate record of miles covered on foot (to the nearest 1 mi.) and hours spent (to the nearest 0.5 hr.) by each party of counters, as a measure of census effort. If a party counts together some of the time but separates some of the time (to the point where counters are out of sight of each other), report the maximum number of parties that counted (e.g., if there were 1-4 parties over the course of the day, report 4), and add in the miles and hours spent by these separated parties to those spent while together.
- Please look over the forms carefully BEFORE the count so that you will be able to provide the information required. We recommend that you record count data on the paper form, then refer to that when filling in the online form.
- A MINIMUM of 6 party-hours per count is REQUIRED for all counts started after 2008, and—except in extenuating circumstances—ALL counts should expend at least 6 party-hours.
- For any count started after 2008, at least four persons per count must be adult field observers (over age 12).
- The compiler is the contact person for the count.

## REPORTING BUTTERFLIES OBSERVED

- The count form lists the butterflies' scientific and English names as given in NABA's checklist (available for download or for sale at www.naba.org/pubs/checklst.html). The 2nd edition of this checklist was published in spring 2001, and NABA will periodically review and revise it. Other butterfly publications may use different species concepts and names.
- Record the total ADULT individuals of each species seen on your count. Do not break totals down by separate sites within the count circle.
- Use the Unlisted Species section of the online form to enter species observed but not included on the count form or online list, using the English or scientific names from NABA's checklist.
- Do NOT specify subspecies UNLESS, in the opinion of the compiler more than one subspecies of a particular species occurs within, or close to, the count circle.
- Use the Unidentified Species section of the online form to enter individuals seen but not identified to species, e.g., 9 *Satyrium* sp., 2 Grass-Skipper sp. Please enter all Unidentified species in the form "Satyrium sp.," "Fritillary sp.," "Nymphalidae sp.," etc., NOT "Satyrium," "Fritillaries" or "Nymphalids."
- Record totals of immature forms (eggs, caterpillars, pupas) in the Immature Butterflies section of the online form. These do NOT count in totals for individuals and species.
- Each different ADULT butterfly identified to species counts as a species. If more than one subspecies is reported, count them as only one species.
- A butterfly not identified to species does not count toward your species total UNLESS that is the only entry reported for that type of butterfly (e..g., *Satyrium* sp. counts as a species ONLY if no other *Satyrium* hairstreak seen on the count was identified to species.)

- Count only ADULT butterflies in the totals for individuals and species. All unidentified adult individuals should be added to the total of individuals.
- Non-butterflies should be mentioned in the Field Notes section only to the extent that they help illuminate butterfly species occurrence or abundance. For example, "gypsy moth infestation may have affected oak-feeding hairstreak abundance." or "many species nectaring at abundant common milkweed."
- On the Butterfly Review/Unusual Sightings page of the online count form, check off any butterfly species that are noteworthy for your location as to species, number, timing, etc., **AND** include a brief explanation in the Unusual Sighting Notes field. The species will then be boldfaced in the Count Report, and your explanation will appear as a footnote to your count summary.

## FILLING OUT THE PAPER COUNT FORM

While count data must be submitted online, the paper count forms can be used for field records. Filling out a paper count form prior to starting online data entry makes the process smoother and faster. Some hints are:

- Please estimate the percentage of time in the AM and PM (during which you actually counted) that the sun was shining, and the temperature range, and the wind speed, during the count.
- Number of field parties: A "party" may consist of 1 person or a group of people who are butterflying together—meaning that while butterflying they remain in visual or auditory contact.
- Party-hours: A party, as defined above, that spends one hour in the field actively butterflying on foot is equivalent to one party-hour. For example, if you had three groups of butterfliers and group A, consisting of two people, counted butterflies for 3 hours; group B consisting of one person, counted butterflies for 5 hours; and group C, consisting of three people, counted butterflies for 4 hours, the total party-hours would be 3 + 5 + 4 = 12. **Total party-hours cannot exceed the number of hours of the count x the number of parties.** Parties that temporarily separate to count different butterflies become separate parties with separate party-hours during the time of separation. E.g., if a party of 3 counts for 3 hours as a single party, breaks up into 3 sub-parties for 2 hours to count separate butterflies, then counts together for 2 more hours, you should report 3 parties (the maximum number at one time) totaling 11 party-hours (1 party x 3 hours + 3 parties x 2 hours + 1 party x 2 hours). Exclude time when butterfly counting did not occur.
- Party-miles = The total miles traveled **on foot** observing butterflies by each field party as a whole. E.g., 4 observers in 1 party walking 2 miles in the field = 2 party-miles (**NOT** 8). Add up party-miles of all parties on the count to determine total party-miles. Party-miles for temporarily separated parties are counted in the same manner as described for party-hours above. Butterflies identified from cars or other conveyances may be counted, but the miles are not.
- List first initial and last name of field observers on the count form. It is the compiler's responsibility to obtain the correct names of all participants.
- Imminent threats to habitat, Habitat changes since last year, and Field Notes (such as weather, or explanations of unusual species) should be brief and relevant to the count's butterfly observations. Do NOT include weather in Habitat changes. Do NOT include organisms other than butterflies in Field Notes, except for a limited mention of plants or animals that may have affected butterflies. If there are no imminent threats or habitat changes, please leave these fields blank.
- DOUBLE CHECK paper forms for accuracy and completeness before entering the information online. **After you have entered your data online, check that the count summary that is generated matches the data on your paper form.**

## TIPS FOR FIRST-YEAR COUNTS

- Read instructions and forms carefully BEFORE count day.
- All counts are required to submit results online at www.butterflycounts.org
- New counts should pre-register with NABA to ensure that their proposed count circle does not overlap with other count circles. When you pre-register, please submit a map showing the new count circle. Pre-registered counts will also be advertised by NABA. Visit http://www.naba.org/counts/start.html for information.
- It's a good idea to practice how to do the count BEFORE your first count date.
- It's important that at least one counter in each party can identify all butterflies likely to be found in the count area, and that each party carries at least one butterfly field guide.
- Within your count circle, try to cover as many areas and habitats as possible.
- Consult www.naba.org or last year's Count Report for information on existing count circles.

## PUBLIC PARTICIPATION

All counts published in the annual report must be open to public participation. If a person wishes to participate in a count, it must be possible for him/her to find out from the compiler, or other designated contact person, the date of

the count, where he/she may go within the circle to count, and how to submit results and fees to the compiler. Compilers and counting parties are not obliged to include anyone in their particular counting activities, although cooperation and assistance to new counters are encouraged. If a compiler does not operate within the spirit of this policy (within constraints of unforeseen weather delays), NABA may, at its discretion, not accept the count.

## FEES

- A fee of **U.S. $3.00** is required for each field observer on each count (whether or not they want their names published in the Count Report) to help defray program costs.
- NABA WILL NOT accept or publish your count unless the full fee is paid.
- **It is the compiler's responsibility to inform participants ahead of time that they must pay a fee for participation, and to ensure that all fees are paid upon count submission**.

## WHEN, WHERE, & HOW TO SUBMIT COUNTS

- DEADLINE for count submission to be received by NABA or completed online: September 2.
- Compilers submit count data online at www.butterflycounts.org. Once submitted online, please print the participants list and mail along with full fee payment (in ONE check or money order) to NABA, 4 Delaware Road, Morristown, NJ 07960. Do not send NABA copies of counts submitted online, but do send fee payment and participants list.
- It is the responsibility of the count compiler to get an acceptable count submitted with appropriate fee to NABA by the DEADLINE.
- Counts submitted or paid late will be held for publishing in the following year's Count Report.
- Please keep a copy of your count forms or online count summary for your records, AND keep details of unusual species sightings, as you may be contacted for confirmatory information by a NABA editor. **Please set your email program to accept messages with NABA in the subject line, so that messages from the editors will reach you.**
- NABA retains full editorial control over the content of the count report, including butterfly species reports.

## SUBMITTING COUNT PHOTOS

We strongly encourage compilers to submit photographs taken on a count of interesting butterflies or of butterflies whose identification is not 100% certain. Interesting, good-quality photos may be published in the Count Report or on the NABA website, and the NABA staff may be able to help with those uncertain IDs. You may upload photos to your online count form, along with information including name of photographer, subject, and its significance. **Please, no email attachments.**

## VOLUNTEER OPPORTUNITIES

**Publication of the Count Report depends upon many volunteers (editors, artists, etc.). For more information, contact administrator Mike Cerbone at cerbone@naba.org.**

**PRESS RELEASE**
**THE NABA BUTTERFLY COUNT**

Butterflies are one of the most beautiful elements of the natural world, and scientists now recognize that they can also serve an one important indicator of the health of ecosystems. A dedicated group of local naturalists will soon be both enjoying their beauty and contributing to a nationwide program that conducts long-term monitoring of butterfly populations. They welcome public participation, and while knowledge of butterflies is a plus, it is not necessary.

The _____ NABA Butterfly Count will be held on
(name of count)
_____, _____. Counters will meet at _____ at
(day of week) (date) (time)
_____. The count will last until about _____,
(location) (time)
weather permitting. This butterfly count has been held since _____. For more information please contact
(first year)
_____ at _____ during the: day / evening / weekend
(name of count compiler) (phone number/email) (circle appropriate time)

The NABA Butterfly Count Program has been held annually since 1975, when only 29 counts were held.Volunteers around North America select a count area 15 miles in diameter and conduct a one-day census of all butterflies observed within that circle. Spring Seasonal counts are held prior to June, 4th of July counts are held in June or July, and Fall Seasonal counts are held after July. The best timing for butterfly observation in each count circle varies. The count program is intended to promote interest in butterflies and provide results useful for scientific monitoring of this beautiful and fascinating group of insects.

The **North American Butterfly Association (NABA)** organizes the counts and publishes their annual reports. For more information on NABA and the Count Program, please send a self-addressed, stamped business envelope to: **NABA, 4 Delaware Road, Morristown, NJ 07960**. Or check out our website at www.naba.org.

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**Instructions to Count Compilers:**

- Please fill in the above press release. Make as many photocopies as you need to send to the news organizations that serve your area, including newspapers, radio stations, and local-access TV stations.
- You may also follow-up with these media contacts after your count by making your own press release providing interesting results and photos from your butterfly count.

**NABA BUTTERFLY COUNT – PARTICIPANTS LIST**

PLEASE NOTE: **ALL count submissions MUST include a participants list.** You may use this form to record the participants on your count prior to entering this information online. THANK YOU!

- The count fee is **U.S.$3.00** and is required for EACH field observer, regardless of age, on EACH count (regardless of how many counts a participant attends, and whether or not participants want their names published).
- The cost of a hard copy the Count Report is **U.S.$7.00** for NABA members and **U.S.$11** for non-members.
- For each person buying the report, please list their name AND FULL MAILING ADDRESS to which the report should be sent in SPRING of the year following the Count.
- **Make payment for this count with a single check or money order in U.S. dollars payable to NABA.**
- Make payment, if desired, for annual NABA membership dues with a separate check or money order in U.S. dollars payable to NABA. **NABA ANNUAL DUES:** U.S.$35 for single, U.S.$45 for family
- An email notice that count forms are available for download will be sent to the compiler at the email address listed below in the spring of the following year.
- Please attach additional sheet(s) if needed.
- Please print the online participants list and mail it with appropriate fee to: **NABA, 4 Delaware Road, Morristown, New Jersey, USA 07960**
- Please do not send your participants list via registered mail, as this can add much delay. Your cancelled check is your receipt.

**Count Name, State: _____**
**Planned date for next year's count Count (not binding): _____**

| | **NAME/ADDRESS** | **FEE** | **Report** | **Donation** | **TOTAL** |
|---|---|---|---|---|---|
| 1 | Compiler:_____<br><br>Address: _____<br>City: _____<br>State, Zip Code: _____<br>email (for NABA use only):_____<br>phone (for NABA use only): _____<br>(home or work?) | ____ | _____ | _____ | _____ |
| 2 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 3 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 4 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 5 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 6 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 7 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 8 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| 9 | _____<br>_____<br>_____ | ____ | _____ | _____ | _____ |
| | **TOTALS / SUBTOTALS** | ____ | _____ | _____ | _____ |

**Count Name, State:** _____

**SUBTOTALS FROM PRECEDING PAGE**

| | | FEE | Report | Donation | TOTAL |
|---|---|---|---|---|---|
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| **TOTAL** | | | | | |

**BUTTERFLY COUNT FORM - USA**
*** * * REQUIRED INFORMATION * * ***

DEADLINE for submission of completed online count form to NABA:

**Count Name (as it appears in the Count Report), State:**
_____

**Year of count (1st, 5th, etc.):** _____
**DATE held:** _____
**TIME (military, to nearest 0.5 hr):** _____ **to** _____ (which equals ____ hours)

**Weather:**
1. % sunshine in AM: ___≤10% ___11-25% ___26-50% ___51-75% ___76-100% ___ Data not recorded
2. % sunshine in PM: ___≤10% ___11-25% ___26-50% ___51-75% ___76-100% ___ Data not recorded
3. Temperature: ____ to ____°F ___ Data not recorded
4. Wind: ____ to ____ mph ___ Data not recorded

**Participants:**
1. Number of field observers: _____
2. Number of field parties (report the maximum number: if 1-4 parties, report 4): _____
3. Total number of party-hours by field parties: _____
   **(Total party-hours cannot exceed the number of hours of the count x the number of parties.)**
4. Total party-miles on foot by field parties (to nearest 1 mile only: _____

**Compiler's name:**_____
**Address:**_____
**City:**_____
**State:**_____ **Zip:** _____
**Email address** (please include so that Count Report editors may contact you if necessary. It will **NOT** be published in the Count Report without your permission.):
_____
____ **OK** to publish ___ Do **NOT** publish
**Phone** (for NABA use only, will **NOT** be published):
_____

☐ **Check here if compiler was NOT also a field observer.**

**Useful information requested from all counts:**

**Imminent threats** to specific butterfly habitats (new, specific information only; please do not repeat generalities year after year, e.g., development, pesticide spraying). If none, leave blank:
_____
_____
_____
_____
_____

**Changes to butterfly habitats** noticed since last year (do NOT include weather/climate). If none, leave blank:
_____

**Information required from 1st-year counts only**

**Center in decimal degrees at:**
(latitude) _____ . _____
(longitude) _____ . _____

For information on reporting and mapping count circle centers please see:
http://www.naba.org/count_center.html

**Center at** (describe in words, as exactly as possible, e.g., "at intersection of ***A*** St. and ***B*** Rd. in Town of ***C*****, D** County." This description must match the coordinates above.):_____
_____
_____
_____

**Elevation** (range that is actually counted): _____ to ____ ft.
**Includes** (any significant named areas in circle that are counted, e.g., "***X*** County Park, ***XX*** Wildlife Management Area, and ***XXX*** Preserve"):
_____
_____
_____
_____

**Habitats** actually covered on the count:
_____
_____
_____
_____

**Uses of land** within the count circle:
_____
_____
_____

**Please submit a map of the count circle to NABA**

**COUNT NAME, State, Year:_____**

*** * * <u>ADULT</u> BUTTERFLIES * * ***

***If a species is not listed, write it in at end of form. If subspecies are observed, do NOT include these numbers in the line for the full species. Do NOT check off a supspecies if only one of that species occurs in your area.***

PAPILIONIDAE - Swallowtails

____ *Parnassius eversmanni* Eversmann's Parnassian
____ *Parnassius clodius* Clodius Parnassian
____ *Parnassius phoebus* Phoebus Parnassian
____ (*P. p. smintheus*) 'Rocky Mountain' Ph. Parnassian
____ (*P. p. behri*) 'Sierra Nevada' Phoebus Parnassian
____ *Battus philenor* Pipevine Swallowtail
____ *Battus polydamas* Polydamas Swallowtail
____ *Eurytides marcellus* Zebra Swallowtail
____ *Eurytides philolaus* Dark-kite Swallowtail
____ *Papilio polyxenes* Black Swallowtail
____ *Papilio joanae* Ozark Swallowtail
____ *Papilio brevicauda* Short-tailed Swallowtail
____ *Papilio machaon* Old World Swallowtail
____ (*P. m. bairdii*) 'Baird's' Old World Swallowtail
____ (*P. m. oregonius*) 'Oregon' Old World Swallowtail
____ *Papilio zelicaon* Anise Swallowtail
____ *Papilio indra* Indra Swallowtail
____ *Papilio cresphontes* Giant Swallowtail
____ *Papilio aristodemus* Schaus' Swallowtail
____ *Papilio ornythion* Ornythion Swallowtail
____ *Papilio glaucus* Eastern Tiger Swallowtail
____ *Papilio canadensis* Canadian Tiger Swallowtail
____ *Papilio rutulus* Western Tiger Swallowtail
____ *Papilio multicaudata* Two-tailed Swallowtail
____ *Papilio eurymedon* Pale Swallowtail
____ *Papilio troilus* Spicebush Swallowtail
____ *Papilio palamedes* Palamedes Swallowtail
____ *Papilio anchisiades* Ruby-spotted Swallowtail

PIERIDAE - <u>Whites</u> & Sulphurs

____ *Neophasia menapia* Pine White
____ *Neophasia terlootii* Chiricahua White
____ *Appias drusilla* Florida White
____ *Pontia beckerii* Becker's White
____ *Pontia sisymbrii* Spring White
____ *Pontia protodice* Checkered White
____ *Pontia occidentalis* Western White
____ *Pieris napi* Mustard White
____ (*P. n. oleracea*) 'Veined' Mustard White
____ (*P. n. marginalis*) 'Margined' Mustard White
____ *Pieris rapae* Cabbage White
____ *Ascia monuste* Great Southern White
____ *Ganyra josephina* Giant White
____ *Euchloe ausonides* Large Marble
____ *Euchloe creusa* Northern Marble
____ *Euchloe hyantis* Pearly Marble
____ (*E. h. hyantis*) 'California' Pearly Marble
____ (*E. h. lotta*) 'Desert' Pearly Marble
____ *Euchloe olympia* Olympia Marble
____ *Anthocharis cethura* Desert Orangetip
____ (*A. c. pima*) 'Pima' Desert Orangetip
____ *Anthocharis sara* Sara Orangetip
____ (*A. s. sara*) 'Pacific' Sara Orangetip
____ (*A. s. stella*) 'Stella' Sara Orangetip
____ *Anthocharis midea* Falcate Orangetip
____ *Anthocharis lanceolata* Gray Marble
____ *Colias philodice* Clouded Sulphur
____ *Colias eurytheme* Orange Sulphur
____ *Colias occidentalis* Western Sulphur
____ *Colias christina* Christina's Sulphur
____ *Colias alexandra* Queen Alexandra's Sulphur
____ (*C. a. harfordii*) 'Harford's' Queen Alexandra's Su.
____ *Colias meadii* Mead's Sulphur
____ *Colias canadensis* Canadian Sulphur
____ *Colias nastes* Labrador Sulphur
____ *Colias scudderi* Scudder's Sulphur
____ *Colias gigantea* Giant Sulphur
____ *Colias behrii* Sierra Sulphur
____ *Colias pelidne* Pelidne Sulphur
____ *Colias interior* Pink-edged Sulphur
____ *Colias palaeno* Palaeno Sulphur
____ *Colias eurydice* California Dogface
____ *Colias cesonia* Southern Dogface
____ *Anteos clorinde* White Angled-Sulphur
____ *Anteos maerula* Yellow Angled-Sulphur
____ *Phoebis sennae* Cloudless Sulphur
____ *Phoebis philea* Orange-barred Sulphur
____ *Phoebis agarithe* Large Orange Sulphur
____ *Phoebis statira* Statira Sulphur
____ *Kricogonia lyside* Lyside Sulphur
____ *Eurema daira* Barred Yellow
____ *Eurema boisduvaliana* Boisduval's Yellow
____ *Eurema mexicana* Mexican Yellow
____ *Eurema proterpia* Tailed Orange
____ *Eurema lisa* Little Yellow
____ *Eurema nise* Mimosa Yellow
____ *Eurema dina* Dina Yellow
____ *Eurema nicippe* Sleepy Orange
____ *Nathalis iole* Dainty Sulphur

**COUNT NAME, State, Year:_____**

LYCAENIDAE - Harvester & Coppers
____ *Feniseca tarquinius* Harvester
____ *Lycaena arota* Tailed Copper
____ *Lycaena phlaeas* American Copper
____ *Lycaena cupreus* Lustrous Copper
____ *Lycaena xanthoides* Great Copper
____ *Lycaena dione* Gray Copper
____ *Lycaena editha* Edith's Copper
____ *Lycaena gorgon* Gorgon Copper
____ *Lycaena hyllus* Bronze Copper
____ *Lycaena rubidus* Ruddy Copper
____ (*L. r. ferrisi)* 'White Mountains' Ruddy Copper
____ *Lycaena heteronea* Blue Copper
____ *Lycaena epixanthe* Bog Copper
____ *Lycaena dorcas* Dorcas Copper
____ *Lycaena helloides* Purplish Copper
____ *Lycaena nivalis* Lilac-bordered Copper
____ *Lycaena mariposa* Mariposa Copper
____ *Hypaurotis crysalus* Colorado Hairstreak
____ *Habrodais grunus* Golden Hairstreak
____ *Eumaeus atala* Atala
____ *Atlides halesus* Great Purple Hairstreak
____ *Chlorostrymon simaethis* Silver-banded Hairstreak
____ *Phaeostrymon alcestis* Soapberry Hairstreak
____ *Satyrium titus* Coral Hairstreak
____ *Satyrium behrii* Behr's Hairstreak
____ *Satyrium fuliginosum* Sooty Hairstreak
____ *Satyrium acadica* Acadian Hairstreak
____ *Satyrium californica* California Hairstreak
____ *Satyrium sylvinus* Sylvan Hairstreak
____ *Satyrium edwardsii* Edwards' Hairstreak
____ *Satyrium calanus* Banded Hairstreak
____ *Satyrium caryaevorum* Hickory Hairstreak
____ *Satyrium kingi* King's Hairstreak
____ *Satyrium liparops* Striped Hairstreak
____ *Satyrium auretorum* Gold-hunter's Hairstreak
____ *Satyrium tetra* Mountain Mahogany Hairstreak
____ *Satyrium saepium* Hedgerow Hairstreak
____ *Satyrium favonius* Oak Hairstreak
____ *(S. f. favonius)* 'Southern' Oak Hairstreak
____ *(S. f. ontario)* 'Northern' Oak Hairstreak
____ *Satyrium polingi* Poling's Hairstreak
____ *Cyanophrys herodotus* TropicalGreenstreak
____ *Panthiades bathildis* Zebra Cross-streak
____ *Callophrys dumetorum* Bramble Hairstreak
____ (*C. d. apama*) 'Canyon' Bramble Hairstreak
____ (*C. d. affinis*) 'Immaculate' Bramble Hairstreak
____ *Callophrys sheridanii* Sheridan's Hairstreak
____ *Callophrys xami* Xami Hairstreak
____ *Callophrys augustinus* Brown Elfin
____ *Callophrys mossii* Moss' Elfin
____ *Callophrys polios* Hoary Elfin
____ *Callophrys irus* Frosted Elfin
____ *Callophrys henrici* Henry's Elfin
____ *Callophrys niphon* Eastern Pine Elfin
____ *Callophrys eryphon* Western Pine Elfin
____ *Callophrys spinetorum* Thicket Hairstreak
____ *Callophrys johnsoni* Johnson's Hairstreak
____ *Callophrys gryneus* Juniper Hairstreak
____ *(C. g. gryneus*) 'Olive' Juniper Hairstreak
____ *(C. g. siva*) 'Siva' Juniper Hairstreak
____ (*C. g. nelsoni*) 'Nelson's' Juniper Hairstreak
____ *Callophrys hesseli* Hessel's Hairstreak
____ *Parrhasius m-album* White M Hairstreak
____ *Strymon melinus* Gray Hairstreak
____ *Strymon martialis* Martial Scrub-Hairstreak
____ *Strymon acis* Bartram's Scrub-Hairstreak
____ *Strymon alea* Lacey's Scrub-Hairstreak
____ *Strymon istapa* Mallow Scrub-Hairstreak
____ *Strymon bazochii* Lantana Scrub-Hairstreak
____ *Electrostrymon angelia* Fulvous Hairstreak
____ *Calycopis cecrops* Red-banded Hairstreak
____ *Calycopis isobeon* Dusky-blue Groundstreak
____ *Ministrymon leda* Leda Ministreak
____ *Ministrymon clytie* Clytie Ministreak
____ *Ministrymon azia* Gray Ministreak
____ *Erora laeta* Early Hairstreak
____ *Erora quaderna* Arizona Hairstreak

LYCAENIDAE - Blues
____ *Brephidium exile* Western Pygmy-Blue
____ *Brephidium isophthalma* Eastern Pygmy-Blue
____ *Leptotes cassius* Cassius Blue
____ *Leptotes marina* Marine Blue
____ *Zizula cyna* Cyna Blue
____ *Hemiargus thomasi* Miami Blue
____ *Hemiargus ammon* Nickerbean Blue
____ *Hemiargus ceraunus* Ceraunus Blue
____ *Hemiargus isola* Reakirt's Blue
____ *Everes comyntas* Eastern Tailed-Blue
____ *Everes amyntula* Western Tailed-Blue
____ *Celastrina ladon* Spring Azure
____ (*C. l. humulus*) 'Hops' Spring Azure
____ (*C. l. neglecta*) 'Summer' Spring Azure
____ *Celastrina neglectamajor* Appalachian Azure
____ *Celastrina nigra* Dusky Azure
____ *Philotes sonorensis* Sonoran Blue
____ *Euphilotes battoides* Square-spotted Blue
____ (*E. b. allyni*) 'El Segundo' Square-spotted Blue
____ (*E. b. bernardino*) 'Bernardino' Square-spotted Blue
____ *Euphilotes enoptes* Dotted Blue (includes *ancilla*)
____ (*E. e. mojave*) 'Mojave' Dotted Blue
____ *Euphilotes rita* Rita Blue (includes *pallescens*)
____ *Euphilotes spaldingi* Spalding's Blue
____ *Glaucopsyche piasus* Arrowhead Blue
____ *Glaucopsyche lygdamus* Silvery Blue
____ *Lycaeides idas* Northern Blue
____ *Lycaeides melissa* Melissa Blue
____ (*L. m. samuelis)* 'Karner' Melissa Blue

**COUNT NAME, State, Year:_____**

____ *Plebejus saepiolus* Greenish Blue
____ *Plebejus icarioides* Boisduval's Blue
____ *Plebejus emigdionis* San Emigdio Blue
____ *Plebejus shasta* Shasta Blue
____ *Plebejus acmon* Acmon Blue
____ *Plebejus lupinus* Lupine Blue
____ *Plebejus optilete* Cranberry Blue
____ *Plebejus neurona* Veined Blue
____ *Agriades glandon* Arctic Blue
____ (*A. g. podarce* 'Sierra' Arctic Blue
____ *Agriades cassiope* Heather Blue

RIODINIDAE - Metalmarks
____ *Calephelis virginiensis* Little Metalmark
____ *Calephelis borealis* Northern Metalmark
____ *Calephelis nemesis* Fatal Metalmark
____ *Calephelis perditalis* Rounded Metalmark
____ *Calephelis wrightii* Wright's Metalmark
____ *Calephelis mutica* Swamp Metalmark
____ *Calephelis rawsoni* Rawson's Metalmark
____ *Calephelis arizonensis* Arizona Metalmark
____ *Caria ino* Red-bordered Metalmark
____ *Lasaia sula* Blue Metalmark
____ *Melanis pixe* Red-bordered Pixie
____ *Emesis zela* Zela Metalmark
____ *Emesis ares* Ares Metalmark
____ *Apodemia mormo* Mormon Metalmark
____ *Apodemia palmerii* Palmer's Metalmark
____ *Apodemia nais* Nais Metalmark

NYMPHALIDAE - Brushfoots
____ *Libytheana carinenta* American Snout
____ *Agraulis vanillae* Gulf Fritillary
____ *Dione moneta* Mexican Silverspot
____ *Dryadula phaetusa* Banded Orange Heliconian
____ *Dryas iulia* Julia Heliconian
____ *Eueides isabella* Isabella's Heliconian
____ *Heliconius charithonia* Zebra Heliconian
____ *Heliconius erato* Erato Heliconian
____ *Euptoieta claudia* Variegated Fritillary
____ *Euptoieta hegesia* Mexican Fritillary
____ *Speyeria diana* Diana Fritillary
____ *Speyeria cybele* Great Spangled Fritillary
____ *Speyeria aphrodite* Aphrodite Fritillary
____ *Speyeria idalia* Regal Fritillary
____ *Speyeria edwardsii* Edwards' Fritillary
____ *Speyeria coronis* Coronis Fritillary
____ *Speyeria zerene* Zerene Fritillary
____ *Speyeria callippe* Callippe Fritillary
____ *Speyeria egleis* Great Basin Fritillary
____ *Speyeria adiaste* Unsilvered Fritillary
____ *Speyeria atlantis* Atlantis Fritillary
____ (*S. a. atlantis*) 'Atlantis' Atlantis Fritillary
____ (*S. a. hesperis*) 'Hesperis' Atlantis Fritillary
____ *Speyeria hydaspe* Hydaspe Fritillary
____ *Speyeria mormonia* Mormon Fritillary
____ *Boloria napaea* Mountain Fritillary
____ *Boloria eunomia* Bog Fritillary
____ *Boloria selene* Silver-bordered Fritillary
____ *Boloria bellona* Meadow Fritillary
____ *Boloria frigga* Frigga Fritillary
____ *Boloria improba* Dingy Fritillary
____ *Boloria kriemhild* Relict Fritillary
____ *Boloria epithore* Pacific Fritillary
____ *Boloria freija* Freija Fritillary
____ *Boloria montinus* Purplish Fritillary (formerly *titania*)
____ *Boloria chariclea* Arctic Fritillary
____ *Poladryas minuta* Dotted Checkerspot
____ *Poladryas arachne* Arachne Checkerspot
____ *Chlosyne theona* Theona Checkerspot
____ *Chlosyne cyneas* Black Checkerspot
____ *Chlosyne fulvia* Fulvia Checkerspot
____ *Chlosyne leanira* Leanira Checkerspot
____ *Chlosyne california* California Patch
____ *Chlosyne lacinia* Bordered Patch
____ *Chlosyne definite* Definite Patch
____ *Chlosyne janais* Crimson Patch
____ *Chlosyne rosita* Rosita Checkerspot
____ *Chlosyne gorgone* Gorgone Checkerspot
____ *Chlosyne nycteis* Silvery Checkerspot
____ *Chlosyne harrisii* Harris' Checkerspot
____ *Chlosyne palla* Northern Checkerspot
____*Chlosyne whitneyi* Rockslide Checkerspot
____ *Chlosyne acastus* Sagebrush Checkerspot
____ *Chlosyne gabbii* Gabb's Checkerspot
____ *Chlosyne hoffmanni* Hoffman's Checkerspot
____ *Dymasia dymas* Tiny Checkerspot
____ *Texola elada* Elada Checkerspot
____ *Phyciodes texana* Texan Crescent
____ *Phyciodes frisia* Cuban Crescent
____ *Phyciodes tulcis* Pale-banded Crescent
____ *Phyciodes vesta* Vesta Crescent
____ *Phyciodes phaon* Phaon Crescent
____ *Phyciodes tharos* Pearl Crescent
____ *Phyciodes selenis* Northern Crescent
____ *Phyciodes batesii* Tawny Crescent
____ *Phyciodes campestris* Field Crescent
____ *Phyciodes picta* Painted Crescent
____ *Phyciodes orseis* California Crescent
____ *Phyciodes pallida* Pale Crescent
____ *Phyciodes mylitta* Mylitta Crescent
____ *Euphydryas gillettii* Gillett's Checkerspot
____ *Euphydryas chalcedona* Variable Checkerspot
____ (*E. c. chalcedona*) 'Chalcedon' Variable Checkerspot
____ (*E. c. colon*) 'Snowberry' Variable Checkerspot
____ (*E. c. anicia*) 'Anicia' Variable Checkerspot
____ *Euphydryas editha* Edith's Checkerspot
____ *Euphydryas phaeton* Baltimore Checkerspot

**COUNT NAME, State, Year:_____**

____ *Polygonia interrogationis* Question Mark
____ *Polygonia comma* Eastern Comma
____ *Polygonia satyrus* Satyr Comma
____ *Polygonia faunus* Green Comma
____ *Polygonia gracilis* Hoary Comma
____ (*P. g. zephyrus*) 'Zephyr' Hoary Comma
____ *Polygonia oreas* Oreas Comma
____ *Polygonia progne* Gray Comma
____ *Nymphalis vaualbum* Compton Tortoiseshell
____ *Nymphalis californica* California Tortoiseshell
____ *Nymphalis antiopa* Mourning Cloak
____ *Nymphalis milberti* Milbert's Tortoiseshell
____ *Vanessa virginiensis* American Lady
____ *Vanessa cardui* Painted Lady
____ *Vanessa annabella* West Coast Lady
____ *Vanessa atalanta* Red Admiral
____ *Junonia coenia* Common Buckeye
____ *Junonia evarete* Mangrove Buckeye
____ *Junonia genoveva* Tropical Buckeye
____ *Anartia jatrophae* White Peacock
____ *Anartia fatima* Banded Peacock
____ *Siproeta stelenes* Malachite
____ *Limenitis arthemis* Red-spotted Admiral
____ (*L. a. arthemis*) White Admiral
____ (*L. a. astyanax*) Red-spotted Purple
____ *Limenitis archippus* Viceroy
____ *Limenitis weidemeyerii* Weidemeyer's Admiral
____ *Limenitis lorquini* Lorquin's Admiral
____ *Adelpha fessonia* Band-celled Sister
____ *Adelpha bredowii* California Sister
____ *Myscelia ethusa* Mexican Bluewing
____ *Eunica monima* Dingy Purplewing
____ *Eunica tatila* Florida Purplewing
____ *Mestra amymone* Common Mestra
____ *Biblis hyperia* Red Rim
____ *Hamadryas februa* Gray Cracker
____ *Hamadryas guatamalea* Guatemalan Cracker
____ *Marpesia chiron* Many-banded Daggerwing
____ *Marpesia petreus* Ruddy Daggerwing
____ *Anaea aidea* Tropical Leafwing
____ *Anaea floridalis* Florida Leafwing
____ *Anaea andria* Goatweed Leafwing
____ *Asterocampa celtis* Hackberry Emperor
____ *Asterocampa leilia* Empress Leilia
____ *Asterocampa clyton* Tawny Emperor
____*Doxocopa laure* Silver Emperor

NYMPHALIDAE - Satyrs
____ *Enodia portlandia* Southern Pearly-eye
____ *Enodia anthedon* Northern Pearly-eye
____ *Enodia creola* Creole Pearly-eye
____ *Satyrodes eurydice* Eyed Brown
____ *Satyrodes appalachia* Appalachian Brown
____ *Cyllopsis pyracmon* Nabokov's Satyr
____ *Cyllopsis pertepida* Canyonland Satyr
____ *Cyllopsis gemma* Gemmed Satyr
____ *Hermeuptychia sosybius* Carolina Satyr
____ *Neonympha areolata* Georgia Satyr
____ *Megisto cymela* Little Wood-Satyr
____ *Megisto rubricata* Red Satyr
____ *Paramercera allyni* Pine Satyr
____ *Coenonympha haydenii* Hayden's Ringlet
____ *Coenonympha tullia* Common Ringlet
____ (*C. t. inornata*) 'Inornate' Common Ringlet
____ (*C. t. ochracea*) 'Ochre' Common Ringlet
____ (*C. t. california*) 'California' Common Ringlet
____ *Cercyonis pegala* Common Wood-Nymph
____ *Cercyonis meadii* Mead's Wood-Nymph
____ *Cercyonis sthenele* Great Basin Wood-Nymph
____ *Cercyonis oetus* Small Wood-Nymph
____ *Erebia disa* Disa Alpine
____ *Erebia mancinus* Taiga Alpine
____ *Erebia discoidalis* Red-disked Alpine
____ *Erebia theano* Theano Alpine
____ *Erebia epipsodea* Common Alpine
____ *Erebia callias* Colorado Alpine
____ *Gyrocheilus patrobus* Red-bordered Satyr
____ *Neominois ridingsii* Riding's Satyr
____ *Oeneis nevadensis* Great Arctic
____ *Oeneis macounii* Macoun's Arctic
____ *Oeneis chryxus* Chryxus Arctic
____ *Oeneis uhleri* Uhler's Arctic
____ *Oeneis alberta* Alberta Arctic
____ *Oeneis taygete* White-veined Arctic
____ *Oeneis jutta* Jutta Arctic
____ *Oeneis melissa* Melissa Arctic
____ *Oeneis polixenes* Polixenes Arctic

NYMPHALIDAE - Milkweed Butterflies
____ *Danaus plexippus* Monarch
____ *Danaus gilippus* Queen
____ *Danaus eresimus* Soldier

HESPERIIDAE - Firetips
____ *Pyrrhopyge araxes* Dull Firetip

HESPERIIDAE - Spreadwing Skippers
____ *Phocides pigmalion* Mangrove Skipper
____ *Phocides polybius* Guava Skipper
____ *Phocides belus* Big-spotted Beamer
____ *Epargyreus zestos* Zestos Skipper
____ *Epargyreus clarus* Silver-spotted Skipper
____ *Polygonus leo* Hammock Skipper
____ *Chioides catillus* White-striped Longtail
____ *Chioides zilpa* Zilpa Longtail
____ *Zestusa dorus* Short-tailed Skipper
____ *Codatractus arizonensis* Arizona Skipper
____ *Codatractus mysie* Valeriana Cloudywing
____ *Urbanus proteus* Long-tailed Skipper
____ *Urbanus belli* Double-striped Longtail

**COUNT NAME, State, Year:_____**

____ *Turquoise Longtail* - Urbanus evona
____ *Urbanus dorantes* Dorantes Longtail
____ *Urbanus teleus* Teleus Longtail
____ *Urbanus procne* Brown Longtail
____ *Astraptes fulgerator* Two-barred Flasher
____ *Autochton cellus* Golden Banded-Skipper
____ *Achalarus lyciades* Hoary Edge
____ *Achalarus casica* Desert Cloudywing
____ *Achalarus tehuacana* Dark Cloudywing
____ *Achalarus toxeus* Coyote Cloudywing
____ *Thorybes bathyllus* Southern Cloudywing
____ *Thorybes pylades* Northern Cloudywing
____ *Thorybes mexicanus* Mexican Cloudywing
____ *Thorybes confusis* Confused Cloudywing
____ *Thorybes drusius* Drusius Cloudywing
____ *Cogia calchas* Mimosa Skipper
____ *Cogia hippalus* Acacia Skipper
____ *Cogia outis* Outis Skipper
____ *Cogia caicus* Gold-costa Skipper
____ *Staphylus ceos* Golden-headed Scallopwing
____ *Staphylus mazans* Mazans Scallopwing
____ *Staphylus hayhurstii* Hayhurst's Scallopwing
____*Gorgythion begga* Variegated Skipper
____ *Sostrata bifasciata* Blue-studded Skipper
____ *Carrhenes canescens* Hoary Skipper
____ *Xenophanes tryxus* Glassy-winged Skipper
____ *Antigonus emorsus* White Spurwing
____ *Systasea pulverulenta* Texas Powdered-Skipper
____ *Systasea zampa* Arizona Powdered-Skipper
____ *Achlyodes thraso* Sickle-winged Skipper
____ *Achlyodes pallida* Pale Sicklewing
____ *Grais stigmaticus* Hermit Skipper
____ *Timochares ruptifasciatus* Brown-banded Skipper
____ *Anastrus sempiternus* Common Bluevent
____ *Chiomara asychis* White-patched Skipper
____ *Gesta gesta* False Duskywing
____ *Ephyriades brunneus* Florida Duskywing
____ *Erynnis icelus* Dreamy Duskywing
____ *Erynnis brizo* Sleepy Duskywing
____ *Erynnis juvenalis* Juvenal's Duskywing
____ *Erynnis telemachus* Rocky Mountain Duskywing
____ *Erynnis propertius* Propertius Duskywing
____ *Erynnis meridianus* Meridian Duskywing
____ *Erynnis scudderi* Scudder's Duskywing
____ *Erynnis horatius* Horace's Duskywing
____ *Erynnis tristis* Mournful Duskywing
____ *Erynnis martialis* Mottled Duskywing
____ *Erynnis pacuvius* Pacuvius Duskywing
____ *Erynnis zarucco* Zarucco Duskywing
____ *Erynnis funeralis* Funereal Duskywing
____ *Erynnis lucilius* Columbine Duskywing
____ *Erynnis baptisiae* Wild Indigo Duskywing
____ *Erynnis afranius* Afranius Duskywing
____ *Erynnis persius* Persius Duskywing
____ *Pyrgus centaureae* Grizzled Skipper
____ *Pyrgus ruralis* Two-banded Checkered-Skipper
____ *Pyrgus xanthus* Mountain Checkered-Skipper
____ *Pyrgus scriptura* Small Checkered-Skipper
____ *Pyrgus communis* Common Checkered-Skipper
____ *Pyrgus albescens* White Checkered-Skipper
____ *Pyrgus* sp. Common/White Checkered-Skipper
____ *Pyrgus oileus Tropical Checkered-Skipper*
____ *Pyrgus philetas* Desert Checkered-Skipper
____ *Heliopetes domicella* Erichson's White-Skipper
____ *Heliopetes ericetoru*m Northern White-Skipper
____ *Heliopetes laviana* Laviana White-Skipper
____ *Heliopetes macaira* Turk's-cap White-Skipper
____ *Heliopetes sublinea* East-Mexican White-Skipper
____ *Celotes nessus* Common Streaky-Skipper
____ *Pholisora catullus* Common Sootywing
____ *Hesperopsis libya* Mojave Sootywing
____ *Hesperopsis alpheus* Saltbush Sootywing (incl. *gracielae*)

HESPERIIDAE - Skipperlings
____ *Carterocephalus palaemon* Arctic Skipper
____ *Piruna pirus* Russet Skipperling
____ *Piruna polingi* Four-spotted Skipperling
____ *Piruna cingo* Many-spotted Skipperling

HESPERIIDAE - Grass-Skippers
____ *Vidius perigenes* Pale-rayed Skipper
____ *Nastra lherminier* Swarthy Skipper
____ *Nastra julia* Julia's Skipper
____ *Nastra neamathla* Neamathla Skipper
____ *Cymaenes tripuncta* Three-spotted Skipper
____ *Cymaenes odilia* Fawn-spotted Skipper
____ *Lerema accius* Clouded Skipper
____ *Decinea percosius* Double-dotted Skipper
____ *Ancyloxypha numitor* Least Skipper
____ *Ancyloxypha arene* Tropical Least Skipper
____ *Oarisma poweshiek* Poweshiek Skipperling
____ *Oarisma garita* Garita Skipperling
____ *Oarisma edwardsii* Edwards' Skipperling
____ *Copaeodes aurantiacus* Orange Skipperling
____ *Copaeodes minimus* Southern Skipperling
____ *Adopaeoides prittwitzi* Sunrise Skipper
____ *Thymelicus lineola* European Skipper
____ *Hylephila phyleus* Fiery Skipper
____ *Pseudocopaeodes eunus* Alkali Skipper
____ *Hesperia uncas* Uncas Skipper
____ *Hesperia juba* Juba Skipper
____ *H. comma* Common Branded Skipper (incl. *manitoba*,
*assiniboia*, *colorado*)
____ *Hesperia ottoe* Ottoe Skipper
____ *Hesperia pahaska* Pahaska Skipper
____ *Hesperia columbia* Columbian Skipper
____ *Hesperia metea* Cobweb Skipper
____ *Hesperia viridis* Green Skipper

**COUNT NAME, State, Year:_____**

____ *Hesperia attalus* Dotted Skipper
____ *Hesperia meskei* Meske's Skipper
____ *Hesperia dacotae* Dakota Skipper
____ *Hesperia lindseyi* Lindsey's Skipper
____ *Hesperia sassacus* Indian Skipper
____ *Hesperia miriamae* Sierra Skipper
____ *Hesperia nevada* Nevada Skipper
____ *Polites carus* Carus Skipper
____ *Polites peckius* Peck's Skipper
____ *Polites sabuleti* Sandhill Skipper
____ *Polites draco* Draco Skipper
____ *Polites baracoa* Baracoa Skipper
____ *Polites themistocles* Tawny-edged Skipper
____ *Polites origenes* Crossline Skipper
____ *Polites mystic* Long Dash
____ *Polites sonora* Sonora Skipper
____ *Polites vibex* Whirlabout
____ *Wallengrenia otho* Southern Broken-Dash
____ *Wallengrenia egeremet* Northern Broken-Dash
____ *Pompeius verna* Little Glassywing
____ *Atalopedes campestris* Sachem
____ *Atrytone arogos* Arogos Skipper
____ *Anatrytone logan* Delaware Skipper
____ *Problema byssus* Byssus Skipper
____ *Problema bulenta* Rare Skipper
____ *Ochlodes sylvanoides* Woodland Skipper
____ *Ochlodes agricola* Rural Skipper
____ *Ochlodes yuma* Yuma Skipper
____ *Paratrytone snowi* Snow's Skipper
____ *Poanes massasoit* Mulberry Wing
____ *Poanes hobomok* Hobomok Skipper
____ *Poanes zabulon* Zabulon Skipper
____ *Poanes taxiles* Taxiles Skipper
____ *Poanes aaroni* Aaron's Skipper
____ *Poanes yehl* Yehl Skipper
____ *Poanes viator* Broad-winged Skipper
____ *Poanes melane* Umber Skipper
____ *Quasimellana eulogius* Common Mellana
____ *Euphyes arpa* Palmetto Skipper
____ *Euphyes palatka* Palatka Skipper
____ *Euphyes dion* Dion Skipper
____ *Euphyes dukesi* Dukes' Skipper
____ *Euphyes conspicua* Black Dash
____ *Euphyes berryi* Berry's Skipper
____ *Euphyes bimacula* Two-spotted Skipper
____ *Euphyes vestris* Dun Skipper
____ *Asbolis capucinus* Monk Skipper
____ *Atrytonopsis hianna* Dusted Skipper
____ *Atrytonopsis lunus* Moon-marked Skipper
____ *Atrytonopsis vierecki* Viereck's Skipper
____ *Atrytonopsis pittacus* White-barred Skipper
____ *Atrytonopsis python* Python Skipper
____ *Atrytonopsis cestus* Cestus Skipper
____ *Atrytonopsis edwardsii* Sheep Skipper
____ *Notamblyscirtes simius* Simius Skipper
____ *Amblyscirtes exoteria* Large Roadside-Skipper
____ *Amblyscirtes cassus* Cassus Roadside-Skipper
____ *Amblyscirtes aenus* Bronze Roadside-Skipper
____ *Amblyscirtes oslari* Oslar's Roadside-Skipper
____ *Amblyscirtes hegon* Pepper and Salt Skipper
____ *Amblyscirtes elissa* Elissa Roadside-Skipper
____ *Amblyscirtes texanae* Texas Roadside-Skipper
____ *A. tolteca* Toltec Roadside-Skipper
____ *A. aesculapius* Lace-winged Roadside-Skipper
____ *Amblyscirtes carolina* Carolina Roadside-Skipper
____ *Amblyscirtes reversa* Reversed Roadside-Skipper
____ *Amblyscirtes nereus* Slaty Roadside-Skipper
____ *Amblyscirtes nysa* Nysa Roadside-Skipper
____ *Amblyscirtes eos* Dotted Roadside-Skipper
____ *Amblyscirtes vialis* Common Roadside-Skipper
____ *Amblyscirtes celia* Celia's Roadside-Skipper
____ *Amblyscirtes belli* Bell's Roadside-Skipper
____ *Amblyscirtes alternata* Dusky Roadside-Skipper
____ *Amblyscirtes phylace* Orange-headed Roadside-Skipper
____ *Amblyscirtes fimbriata* Orange-edged Roadside-Skipper
____ *Lerodea eufala* Eufala Skipper
____ *Lerodea arabus* Violet-clouded Skipper
____ *Lerodea dysaules* Olive-clouded Skipper
____ *Oligoria maculata* Twin-spot Skipper
____ *Calpodes ethlius* Brazilian Skipper
____ *Panoquina panoquin* Salt Marsh Skipper
____ *Panoquina panoquinoides* Obscure Skipper
____ *Panoquina errans* Wandering Skipper
____ *Panoquina ocola* Ocola Skipper
____ *Panoquina sylvicola* (=*leucas*) Purple-washed Skipper

HESPERIIDAE - Giant-Skippers
____ *Megathymus streckeri* Strecker's Giant-Skipper
____ *Megathymus yuccae* Yucca Giant-Skipper
____ *Megathymus cofaqui* Cofaqui Giant-Skipper
____ *Megathymus ursus Ursine Giant-Skipper*

**COUNT NAME, State, Year:**_____

**UNLISTED/UNIDENTIFIED SPECIES: Butterflies not on preceding list, or butterflies not fully identified to species, should be listed here and copied to Unlisted Species page of online count form. Butterflies identified only to group (e.g., Hairstreak sp.) or to genus (e.g., *Satyrium* sp.) are added to the total of adult species ONLY if no other butterflies in that group or genus have been identified to species. However, ALWAYS add the number of individuals listed here to your total individuals. Please be sure to include ALL unidentified butterflies, even if it's 600 Grass-Skipper sp. or simply 20 Butterfly sp., as these figures are important for data analysis.**

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**Compilers: Please check your totals against those calculated by the online count form!**

**____ ADULT SPECIES / ____ TOTAL INDIVIDUALS**

*** IMMATURE BUTTERFLIES ***

Use English names and copy to Immature Butterflies page of online count form. Do NOT add to totals of species or individuals.

**Species:**_____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____
**Species:** _____
Number:____ egg(s) ____ caterpillar(s) ____ pupa(s)
on (plant/surface):_____

**Field Notes** (use for unusual weather, methods of estimating numbers, etc.). Copy to Field Notes section on first page of online count form.

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**COUNT NAME, State, Year:_____**

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**Submit your count data online at** www.butterflycounts.org **and mail 1 copy of your printed Participants List along with fee payment to:**

**NABA, 4 Delaware Rd, Morristown, NJ 07960 USA**

* Please make full payment for this count in ONE check or money order; include a separate check or money order for NABA membership dues.
* Please do NOT send via registered mail.

***Thank you very much for your cooperation & participation!***