



*2020 Howard County
Butterfly Survey*

Participant Pictures



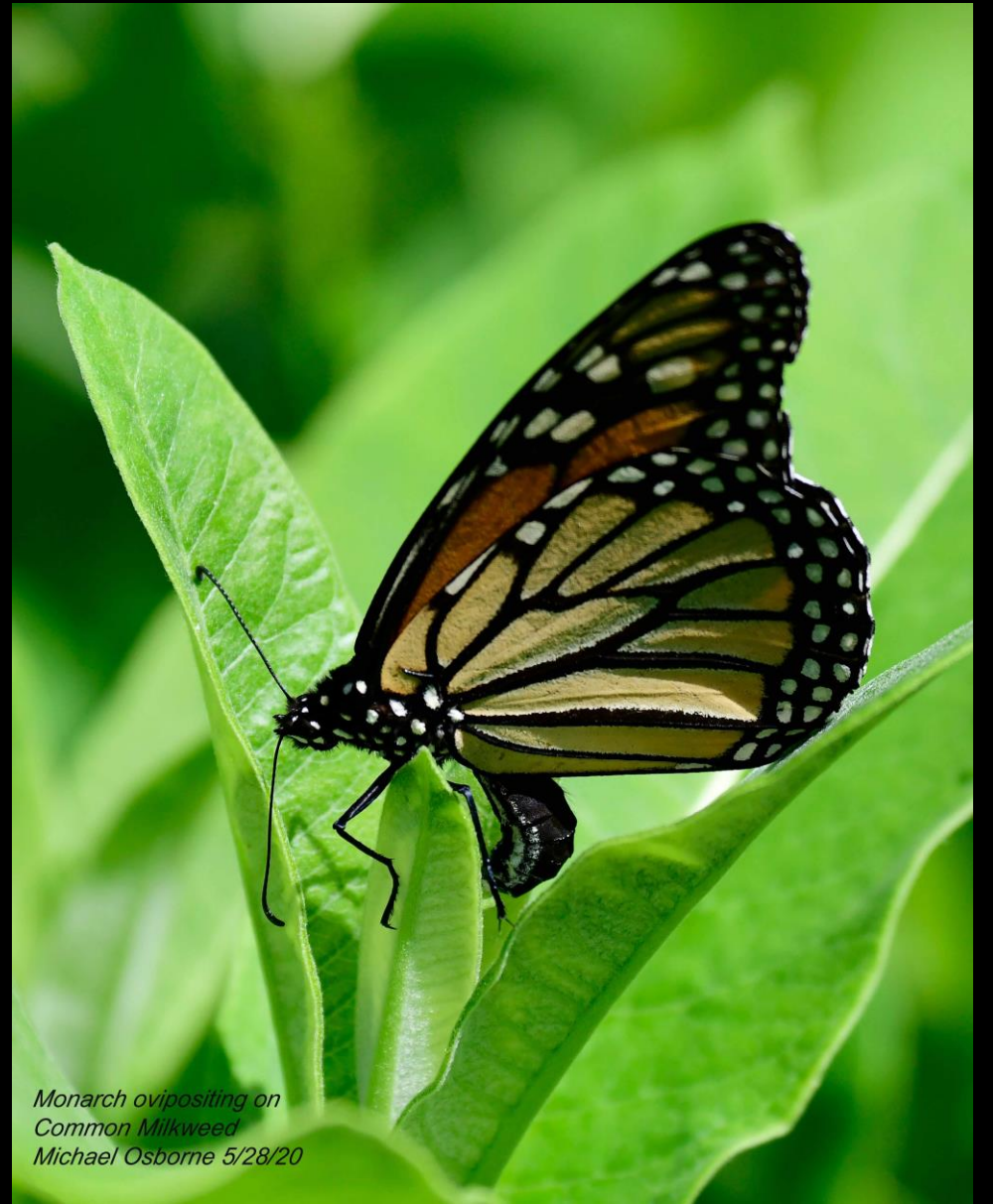
Monarchs Rule

Many pictures and videos documented the Monarch lifecycle and their migration.

Monarch caterpillars
Kevin Heffernan 2020



Monarch ovipositing on
Common Milkweed
Michael Osborne 5/28/20





Monarch caterpillar & chrysalis
Ellicott City 9/24/20
Mike & Grazina McClure



Monarch chrysalis
2 Hours Prior to Emerge
Ellicott City 9/24/20
Mike & Grazina McClure



Monarch chrysalis
Ellicott City 9/24/20
Mike & Grazina McClure



Monarch on
Swamp Milkweed
Asclepias incarnata
Columbia 6/21/20



Monarch on
Swamp Milkweed
Asclepias incarnata
'Ice Ballet'
Columbia 6/21/20



*Monarch
Columbia 10/21/20
Trudy Snope*

Viceroy
A Monarch Mimic



Swallowtails



Eastern Tiger Swallowtail
Michael Osborne 8/26/20
male



*Eastern Tiger Swallowtail male
Puddling for nutrients
Clayton Koonce 5/22/20*



*Eastern Tiger Swallowtail
female dark form
Pat Greenwald 8/17/20*

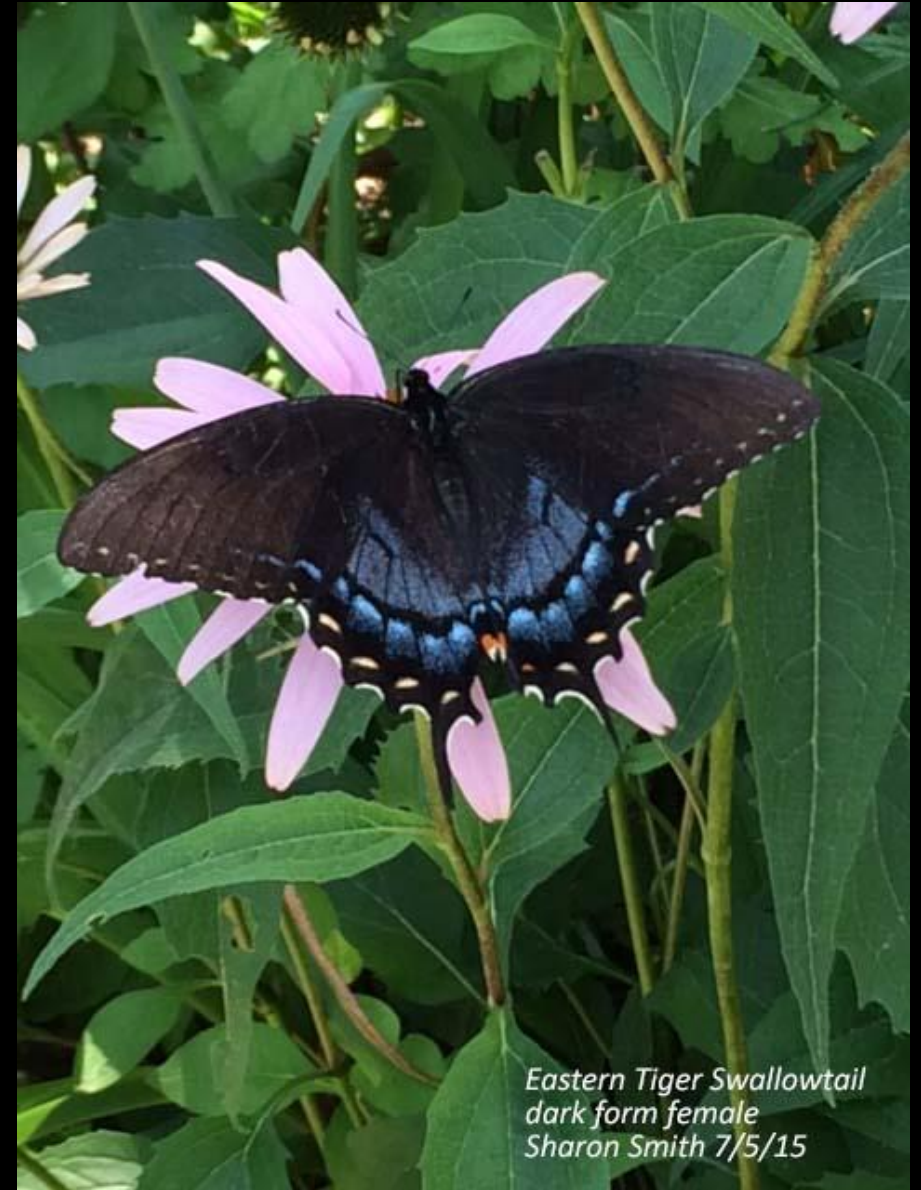


*Eastern Tiger Swallowtail
Intergrade female
Kathy Litzinger 2020*

*Eastern Tiger Swallowtail --
Female dark form
Mimics Pipevine Swallowtail*



*Pipevine Swallowtail
Ellicott City 8/6/20
Kathy Kaberle*



*Eastern Tiger Swallowtail
dark form female
Sharon Smith 7/5/15*



Pipevine Swallowtail
Ellicott City 9/24/20
Mike & Grazina McClure

The Pipevine Swallowtail



Pipevine Swallowtail
caterpillar 9/10/17
Barbara White

Black Swallowtail
A Pipevine Swallowtail
Mimic



Black Swallowtail
Kristin Trouton 8/16/20



Black Swallowtail
Kathy Litzinger 2020



Black Swallowtail caterpillar
Kathy Litzinger 2020

*Another Mimic
Spicebush Swallowtail*



*Spicebush Swallowtails
mating
Kate Tufts 8/7/20*



*Spicebush Swallowtail
on Common Milkweed
Cedar Lane Park 6/18/20*

*And, Another Mimic
Red-spotted Purple
(Not even a swallowtail!)*



*Red-spotted Purple
Pat Greenwald 8/17/20*



*Red-spotted Purple
Clayton Koonce 8/27/20*



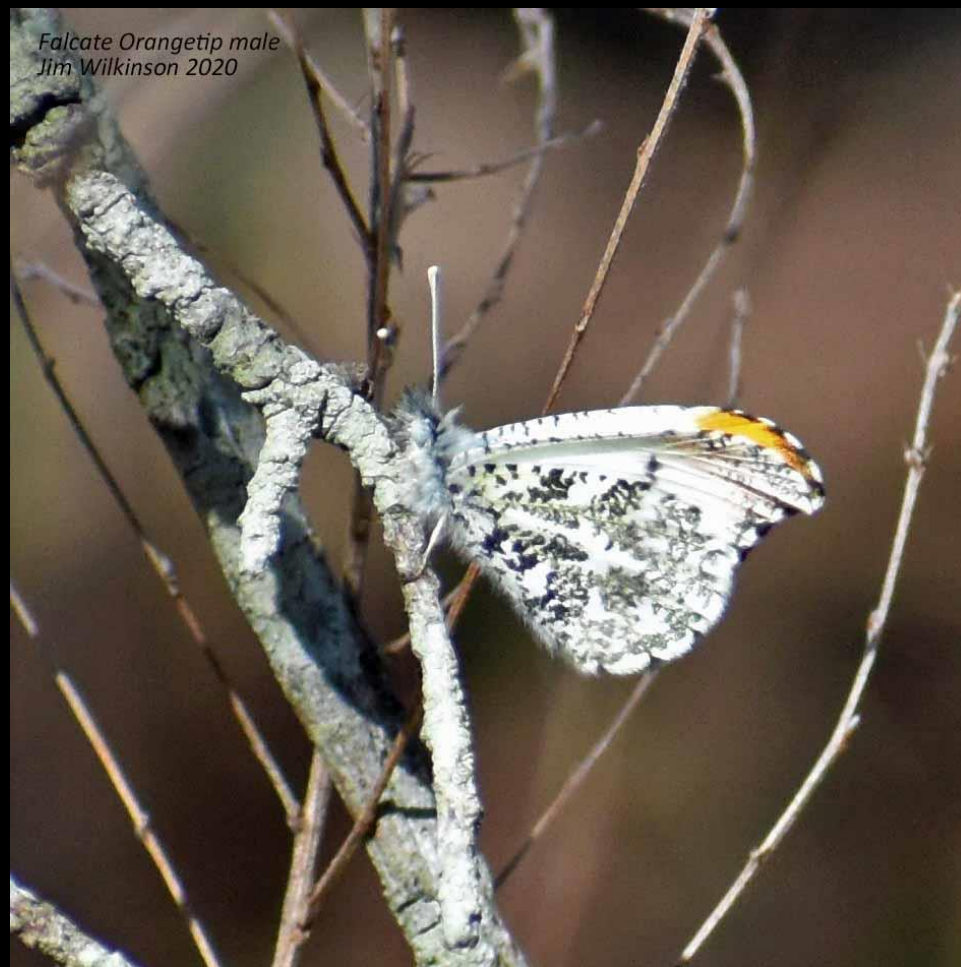
Whites & Sulphurs

*Orange Sulphur
Michael Osborne 7/18/20*

Falcate Orangetip female
Jim Wilkinson 2020



Falcate Orangetip male
Jim Wilkinson 2020





Cloudless Sulphur
Hanover 10/15/20
Jim Wilkinson



Cabbage White female
Robinson Nature Center
Michael Osborne 8/4/2020



Cloudless Sulphur puddling
Woodbine 10/6/20
Linda Hunt



Cloudless Sulphur
Kevin Heffernan 2020

Cloudless Sulphur caterpillar
Annette Allor 8/19/20



Sleepy Orange caterpillar
Annette Allor 8/6/20





*Sleepy Orange mating
Mt. Pleasant
Annette Allor 7/13/20*



*Sleepy Orange
Columbia 9/4/20
Linda Hunt*

Sleepy Orange, puddling
Kevin Heffernan 2020





Clouded Sulphur, white form
Woodbine 10/6/20
Linda Hunt



Azure species
John Harris 3/20/20

Gossamer-wings

*Harvester, Coppers,
Elfins, Hairstreaks
& Blues*



Harvester
Bonnie Ott 8/5/20



American Copper
Woodbine 6/8/20
Linda Hunt



American Copper
Woodbine 5/2/20
Linda Hunt



Red-banded Hairstreak
Western Regional Park
Gayle & Bill Hill 9/20/20



Pine Elfin
Woodbine 5/2/20
Linda Hunt



White M Hairstreak
Gateway 9/21/20
Linda Hunt



Gray Hairstreak
Kevin Heffernan 2020



Eastern Tailed-Blue
Columbia 11/8/20
Kelsey Wellons

*The
“Brushfoots”*

*Snout
Fritillaries
Buckeyes
Ladies
Emperors
Etcetera*



*American Snout
Mt. Pleasant 9/7/20
Kristin Trouton*



American Snout
September 2020
Kevin Heffernan



Variegated Fritillary
Kristin Trouten 2020



Variegated Fritillary
caterpillar
Kevin Heffernan 2020



Meadow Fritillary
Woodbine 10/6/20
Linda Hunt

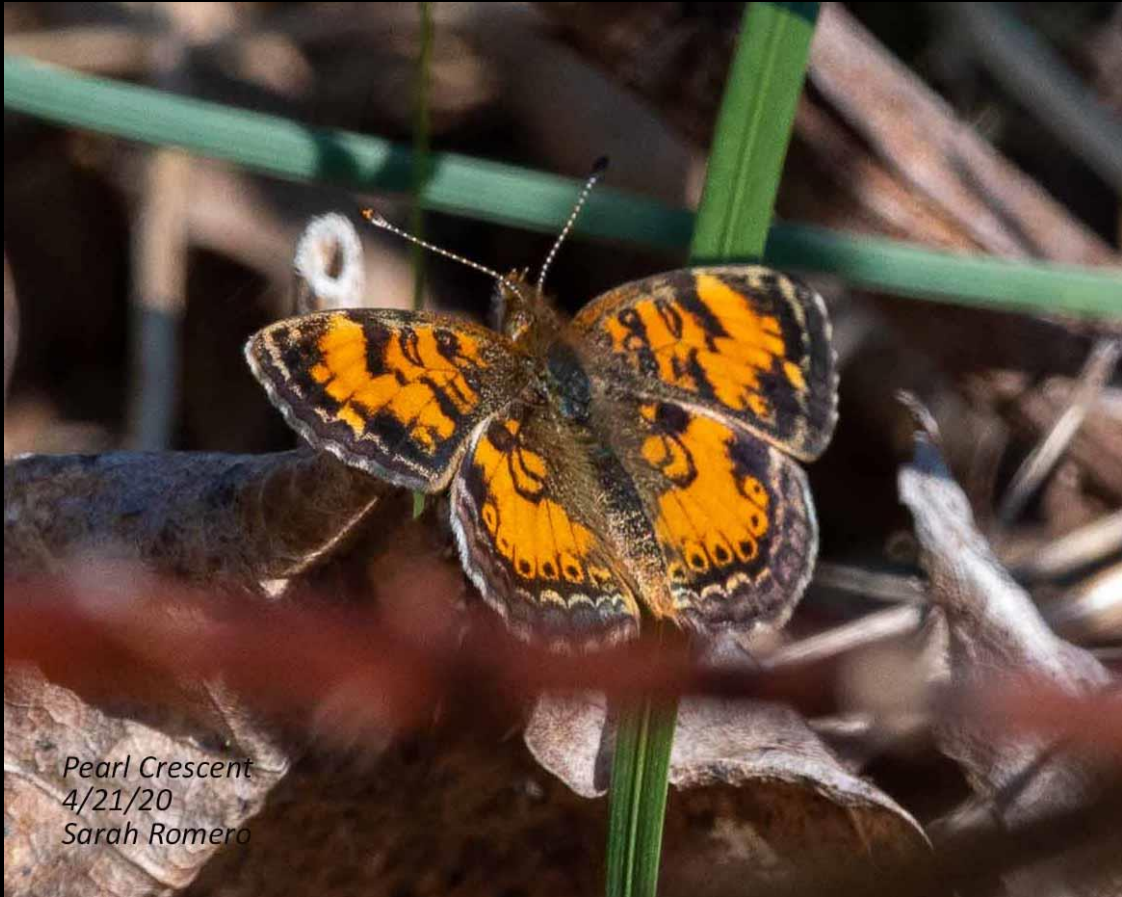


Meadow Fritillary
Kevin Heffernan 2020





Silvery Checkerspot
Woodbine 7/26/20
Pam Perna



Pearl Crescent
4/21/20
Sarah Romero



Silvery Checkerspot mating
Woodbine 7/27/20
Pam Perna



Silvery Checkerspot caterpillars
Ellicott City 7/9/20
Kathy Kaberle



American Lady
Pam Perna 6/25/20



American Lady caterpillar
Mt. Pleasant 9/28/20
Annette Allor



Painted Lady
Michael Osborne 5/17/20



Painted Lady
Michael Osborne 5/17/20



Question Mark
Columbia, 5/1/2020
Linda Hunt



Question Mark
Barbara White 6/8/20



Eastern Comma
Columbia 9/13/20
Clayton Koonce



Eastern Comma
Columbia 9/13/20
Clayton Koonce



Red-spotted Purple
Columbia 9/16/20
Clayton Koonce



Red-Spotted Purple
Columbia 9/7/20
Clayton Koonce



*Red Admiral
Clayton Koonce 7/6/20*

Common Buckeye mating
Annette Allor 8/17/20





Common Buckeye caterpillar
Sue Probst 9/29/20



Common Buckeye chrysalis
Sue Probst 9/29/20



Common Buckeye
Elkhorn Community Gardens
Linda Hunt 10/20/20



Common Buckeye
Columbia 11/5/20
Clayton Koonce



*Tawny Emperor
Ellicott City 2020
Kathy Litzinger*



Tawny Emperor
Robinson 8/26/20
Linda Hunt



Tawny Emperor
Ellicott City 9/14/20
Kevin Heffernan



Hackberry Emperor
Howard County Conservancy
Annette Allor 8/19/20



Hackberry Emperor
Kevin Heffernan 2020



Appalachian Brown
Warfield Pond Park
Bill Hill 8/12/20



Northern Pearly-eye
Sharon Smith 8/8/20

Skippers



Silver-spotted Skipper
Kevin Heffernan 2020



Long-tailed Skipper
Mt. Pleasant 9/22/20
Annette Allor



Long-tailed Skipper
Mt. Pleasant 9/22/20
Annette Allor



Southern Cloudywing
Annette Allor 6/6/20



Northern Cloudywing pair
on Common Milkweed
Murray Hill 6/19/20
Linda Hunt

Juvenal's Duskywing
Woodbine 5/2/20
Linda Hunt



Common Sootywing
Kevin Heffernan 2020



Dun Skipper female
Sykesville 9/2/20
Nancy Lawson



Swarthy Skipper
Kathy Litzinger 6/13/20

Ocola
Columbia 9/3/20
Clayton Koonce



Ocola Skipper
Columbia 7/23/20
Linda Hunt

Zabulon Skipper
July 2020
Russ Ruffing



© Kevin J. Heffernan
Peck's Skipper





Northern Broken-Dash
Kathy Litzinger 6/13/20



Southern Broken-Dash
Annette Allor 6/13/20



Sachem
Columbia 11/5/20
Clayton Koonce



Fiery Skipper
Columbia 11/5/20
Clayton Koonce



Clouded Skipper
MPEA 9/19/20
Annette Allor



Clouded Skipper female
MPEA 9/19/20
Annette Allor





*2020 Howard County
Butterfly Survey*

*Thank you everyone for
submitting surveys
and pictures this year!*