

NEWS

OF THE

LEPIDOPTERISTS' SOCIETY



2021 Season Summary

Volume 64, Supplement S1

Index

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Edited by: Brian Scholtens and Jeffrey Pippen (addresses inside back cover)

Cover pages/index edited by: James K. Adams (address inside back cover)

Front Cover: *Acsala anomala*, AK, Galbraith Lake, North Slope Borough, 10 July 2021, on dolomite scree slopes (pg 5), image by Kyle E. Johnson.

The Lepidopterists' Society is a non-profit educational and scientific organization. The object of the Society, which was formed in May 1947 and formally constituted in December 1950, is "to promote internationally the science of lepidopterology in all its branches; to further the scientifically sound and progressive study of Lepidoptera, to issue periodicals and other publications on Lepidoptera; to facilitate the exchange of specimens and ideas by both the professional worker and the amateur in the field; to compile and distribute information to other organizations and individuals for purposes of education and conservation and appreciation of Lepidoptera; and to secure cooperation in all measures" directed towards these aims. (Article II, Constitution of The Lepidopterists' Society.)

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Season Summary 2021 – Print Edition

There are both print and online versions of the Season Summary: 1) We are more selective with records included in the print edition of the Season Summary. We include all National, State and County records, as well as other records that have significance, such as very late or early records, explosions of species, and migrant movements. We seek to include more text and photos in the introductory material for each zone, and we want to encourage contributors to provide information and photos that zone coordinators can submit with future Season Summaries. 2) The online or PDF edition of the Season Summary includes ALL submitted records. Interested members can download this PDF, either in its entirety or as individual zones on the Lepidopterists' Society website. All records are submitted to the SCAN database and are searchable using that system (<https://scan-bugs.org/portal/collections/harvestparams.php>).

Finally, we want to sincerely thank all the contributors and particularly the zone coordinators for pushing forward to continue the valuable effort that is the Season Summary.

Brian Scholtens and Jeff Phippen

Interpreting the summary:

1. Zones are listed in order numerically, with each country, state or province included in alphabetical order.
2. All contributors are listed for each zone alphabetically by last name. Although not all contributors will have all records included in the printed edition of the summary, all records are included in the PDF version.
3. Within each country, state, or province, records are listed in alphabetical order, first by family and then by genus, species, and county (or region).
4. All national or state records are indicated as such using bold, capital letters. All county records are indicated by bold print for the county name.
5. As much as possible, our taxonomy for butterflies follows the most current version of the Pelham (2022) list and for moths follows the Pohl et al. (2016) list for North America. We haven't checked every single record but attempted to use those lists throughout.

Zone 1: Far North: Alaska, Northwest Territories, Nunavut, and Yukon Territory

Coordinator: Kyle E. Johnson (for André Langlois)

Contributors: Steve C. Bransky (SCB), Bill Dempwolf (WRD), Kyle E. Johnson (KEJ), Ken Kertell (KK), André Langlois (AL2), Brian Mcgurgan (BM4), Robyn Neilsen (RN), Kevin A. Taylor, (KAT)

André Langlois surveyed extensively near his home at Judas Creek, near Whitehorse in southern Yukon. He also made trips to various locations, including the Dempster Highway, Montana Mountain, and the St. Elias Mountains. In general, heavy winter snowfall resulted in a delayed season, but summer was unusually dry and sunny, resulting in excellent sampling conditions. He has been broadening surveys to include additional moth groups which are underreported in the boreal forests of southern Yukon.

Brian Mcgurgan submitted numerous and detailed butterfly records from southern Alaska, focused on the Anchorage area. This region is underreported in previous season summaries. Ken Kertell submitted butterfly highlights from a June trip focused on the Dalton Highway.

Kyle Johnson spent two months in Alaska living in a tent, intensively surveying the Lepidoptera fauna of numerous habitat types across a wide swath of the state. Focus was on the interior boreal forest and northern tundra regions. Many study sites from 2014 were repeated with markedly different results, even when adjusting for phenology. In particular, noctuids were strikingly more numerous and diverse in 2021, more so than could be explained by weather alone. Weather was noticeably warmer in 2021, averaging 10 degrees F or more above normal from the Brooks Range northward. In addition to filling in many range gaps (esp. with moths), many interesting ecological and behavioral discoveries were made. Only a fraction is reported here.

Kevin Taylor, Steve Bransky, and Bill Dempwolf joined KEJ in July, covering sites from the boreal forest region of Fairbanks to the Arctic Coastal Plain of Deadhorse. Anne-Lise Ducluzeau of Fairbanks helped with logistics and joined several times in the field. She also made the initial discovery of a *Catocala unijuga* population in Fairbanks – the northernmost known population for the genus in North America. KEJ also thanks his fiancé Robyn Nielsen for accompanying him for part of the journey in June, and for her keen eye in spotting (and netting) leps.

At present it is difficult to ascertain new “county” records for Alaska boroughs and census areas (esp. for moths), and these land units aren’t the most informative given their vast expanse (Yukon-Koyukuk Census Area is larger than many U.S. states). Therefore, the lack of new “county” records reported here belies the fact that many new distribution records are reported.

Ecological regions are used in place of counties for the Yukon, which lacks political subdivisions comparable to counties or districts.

RECORDS:

Alaska:

Adelidae:

Nemophora bellela, North Slope District, Table Mountain, 18 Jun 2021, KEJ, also RN

Crambidae:

Crambus alienellus, Fairbanks North Star District, Hopper Creek Peatlands, 6 Jun 2021, KEJ

Crambus alienellus, Yukon-Koyukuk District, Sukakpak Mountain, 27 Jun 2021, KEJ, in *palsa fen*

Crambus perlilla, Yakutat District, Yakutat, 3 Aug 2021, KEJ

Gesneria centuriella, Chugach District, Whittier, 1 Aug 2021, KEJ

Gesneria centuriella, North Slope District, Table Mountain, 21 Jun 2021, KEJ

Ostrinia marginalis, Yukon-Koyukuk District, Fort Hamlin Hills Creek, 7 Jun 2021, KEJ

Pediasia browerellus, North Slope District, Table Mountain, 18 Jun 2021, KEJ

Udea alaskalis, North Slope District, Atigun Pass, 24 Jun 2021, KEJ

Depressariidae:

Exaeretia cinflonella, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ

Douglasiidae:

Tinagma dryadis, North Slope District, Table Mountain, 18 Jun 2021, KEJ

Tinagma dryadis, Yukon-Koyukuk District, Caribou Mountain, 11 Jun 2021, KEJ

Epermeniidae:

Epermenia albapunctella, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ

Erebidae

- Apantesis quenseli*, North Slope District, Sagwon Bluffs, 23 Jun 2021, KEJ
Arctia lapponica, North Slope District, Table Mountain, 20-21 Jun 2021, KEJ
Arctia lapponica, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ
Arctia lapponica, Yukon-Koyukuk District, Kanuti River, 8 Jun 2021, KEJ
Arctia subnebulosa, North Slope District, Galbraith Lake, 2 Jul 2021, WRD, also KEJ
Ascala anomala, North Slope District, Galbraith Lake, 10 Jul 2021, KEJ
Catocala unijuga, Fairbanks North Star District, Fairbanks, 28-29 Jul 2021, KEJ, first discovered by Anne-Lise Ducluzeau via bait trap, 28+ over 2 nights
Chelis sordida, North Slope District, Table Mountain, 12 Jul 2021, KEJ
Dodia tarandus, Southeast Fairbanks District, Shaw Creek Flats, 3-5 Jun 2021, KEJ, common in malaise trap, main activity early AM
Dodia tarandus, Yukon-Koyukuk District, Rosebud Creek, 15 Jun 2021, KEJ, flushed mid-day
Gynaephora rossii, North Slope District, Galbraith Lake, 10 Jul 2021, KEJ

Gelechiidae:

- Prolita sexpunctella*, Fairbanks North Star District, Olnes Pond, 6 Jun 2021, KEJ
Prolita sexpunctella, Yukon-Koyukuk District, Fort Hamlin Hills Creek, 7 Jun 2021, KEJ

Geometridae:

- Cabera borealis*, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ
Cabera borealis, Yukon-Koyukuk District, Kanuti River, 12 Jun 2021, KEJ
Carsia sororiata, Matanuska-Susitna District, Trapper Creek, 30 Jul 2021, KEJ
Carsia sororiata, Yukon-Koyukuk District, Sukakpak Mountain, 20 Jul 2021, KEJ, in falsa fen
Digrammia rippertaria, Yukon-Koyukuk District, Kanuti River, 12 Jun 2021, KEJ
Epelis truncataria, Yukon-Koyukuk District, Brown Lake, 7 Jun 2021, KEJ
Eufidonia discospilata, Fairbanks North Star District, Hopper Creek Peatlands, 6 Jun 2021, KEJ
Macaria brunneata, Matanuska-Susitna District, Trapper Creek, 30 Jul 2021, KEJ
Macaria occiduaria, Yukon-Koyukuk District, Kanuti River, 21 Jul 2021, KEJ
Mesothea incertata, Fairbanks North Star District, Hopper Creek Peatlands, 6 Jun 2021, KEJ
Psychophora sabini, Yukon-Koyukuk District, Caribou Mountain, 11 Jun 2021, KEJ
Scopula sentinaria, North Slope District, Table Mountain, 12 Jul 2021, KEJ
Scopula sentinaria, Yukon-Koyukuk District, Sukakpak Mountain, 20 Jul 2021, KEJ
Xanthorhoe baffinensis, North Slope District, Deadhorse, 5 Jul 2021, KEJ
Zenopheps lignicolorata, Fairbanks North Star District, Fairbanks, 29 Jul 2021, KEJ

Glyphipterigidae:

- Glyphipterix haworthana*, Yukon-Koyukuk District, Kanuti River, 8 Jun 2021, KEJ

Gracillariidae:

- Caloptilia stigmatella*, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ

Hepialidae:

- Gazoryctra confusus*, Ketchikan Gateway District, Ketchikan, 5 Aug 2021, KEJ, netted mid-day in rain in forest understory, 2 specimens

Hesperiidae:

- Hesperia comma*, North Slope District, Sagwon Bluffs, 4 Jul 2021, KEJ
Hesperia comma, North Slope District, Table Mountain, 13 Jul 2021, WRD, also SCB, KAT, KEJ
Hesperia comma, Yukon-Koyukuk District, Wickersham Dome, 1 Jul 2021, WRD, also SCB, KAT
Pyrgus centaureae freija, Anchorage District, Mt Baldy, Eagle River, 61.33797N 149.50887W, 12 Jun 2021, BM4
Pyrgus centaureae, North Slope District, Table Mountain, 20 Jun 2021, KEJ
Pyrgus centaureae, Yukon-Koyukuk District, Kanuti River, 8-12 Jun 2021, KEJ

Lycaenidae:

- Agriades glandon*, Anchorage District, Chugach SP, Rabbit Lake Trail, 61.06778N 149.65878W, 17 Jul 2021, BM4
Agriades glandon, Matanuska-Susitna District, Alascom Access Rd, Glenn Highway, 61.84960N 147.38210W, 4 Jul 2021, BM4
Agriades glandon, North Slope District, Table Mountain, 12 Jul 2021, KEJ
Agriades glandon, Yukon-Koyukuk District, Hess Creek, 7 Jun 2021, KEJ
Cupido amyntula, Anchorage District, Tony Knowles Coastal Trail, 61.21010N 149.92295W, 10 Jun-14 Jul 2021, BM4
Lycaena phlaeas, Yukon-Koyukuk District, Caribou Mountain, 21 Jul 2021, KEJ

Noctuidae:

- Agrotis ruta*, Matanuska-Susitna District, Hatcher Pass, 31 Jul 2021, KEJ
Anarta nigrolunata, North Slope District, Sagwon Bluffs, 23 Jun 2021, KEJ
Coranarta luteola, North Slope District, Sagwon Bluffs, 23 Jun 2021, KEJ
Enargia infumata, Fairbanks North Star District, Fairbanks, 28-29 Jul 2021, KEJ
Lasionycta carolynae, **North Slope District**, Table Mountain, 12 Jul 2021, KEJ, shale scree slope, **STATE RECORD**
Lithomoia germana, Fairbanks North Star District, Fairbanks, 28-29 Jul 2021, KEJ
Parastichtis suspecta, Fairbanks North Star District, Fairbanks, 28-29 Jul 2021, KEJ
Polia richardsoni, North Slope District, Sagwon Bluffs, 23 Jun 2021, KEJ
Polia rogenhoferi, North Slope District, Table Mountain, 18 Jun 2021, KEJ
Sunira verberata, Fairbanks North Star District, Fairbanks, 29 Jul 2021, KEJ
Sympistis heliophila, Matanuska-Susitna District, Hatcher Pass, 31 Jul 2021, KEJ
Sympistis heliophila, Yukon-Koyukuk District, Finger Mountain, 14 Jun 2021, KEJ
Sympistis zetterstedtii, North Slope District, Table Mountain, 12-15 Jul 2021, SCB, also KEJ, KAT

Sympistis zetterstedtii, Yukon-Koyukuk District, Sukakpak Mountain, 20 Jul 2021, KEJ
Syngrapha microgamma, Fairbanks North Star District, Olnes Pond, 6 Jun 2021, KEJ
Syngrapha microgamma, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ
Xestia aequaevea, North Slope District, Galbraith Lake, 2 Jul 2021, KEJ
Xestia alaskae, North Slope District, Galbraith Lake, 2 Jul 2021, KEJ
Xestia bryanti, North Slope District, Galbraith Lake, 2-10 Jul 2021, SCB, also KEJ
Xestia imperita, Southeast Fairbanks District, Shaw Creek Flats, 22-25 Jul 2021, KEJ
Xestia liquidaria, North Slope District, Galbraith Lake, 2 Jul 2021, KEJ
Xestia lupa, Southeast Fairbanks District, Shaw Creek Flats, 22-25 Jul 2021, KEJ
Xestia okakensis, Southeast Fairbanks District, Shaw Creek Flats, 22-25 Jul 2021, KEJ
Xestia quieta, North Slope District, Galbraith Lake, 2 Jul 2021, KEJ
Xestia wockei, North Slope District, Galbraith Lake, 2 Jul 2021, KEJ

Nymphalidae:

Boloria astarte distincta, North Slope District, Table Mountain, 12 Jul 2021, KEJ, found on shale scree
Boloria chariclea butleri, Southeast Fairbanks District, Shaw Creek Flats, 3-5 Jun 2021, KEJ, absent in 2014
Boloria chariclea grandis, Southeast Fairbanks District, Shaw Creek Flats, 22-25 Jul 2021, KEJ, as noted by Ken Philip and others, the *chariclea* complex acts as 2 spp. In AK
Boloria eunomia, Yukon-Koyukuk District, Sukakpak Mountain, 27 Jun 2021, KEJ, in *palsa fen*
Boloria freija, Matanuska-Susitna District, Hatcher Pass, Willow, 61.76948N 149.31165W, 16 Jul 2021, BM4
Boloria frigga gibsoni, Yukon-Koyukuk District, Kanuti River, 8-12 Jun 2021, KEJ, distinct from "saga", this pop. in peatlands below treeline
Boloria frigga saga, Southeast Fairbanks District, Shaw Creek Flats, 3-5 Jun 2021, KEJ, uncommon this year, abundant in 2014
Boloria frigga saga, Yukon-Koyukuk District, Hess Creek, 7 Jun 2021, KEJ, found at same site as "gibsoni" was found in 2014, adding to the evidence these are different species
Boloria polaris, North Slope District, Table Mountain, 18 Jun-12 Jul 2021, KEJ, abundant, absent in 2014
Boloria polaris, Yukon-Koyukuk District, Kanuti River, 8-12 Jun 2021, KEJ, very much at home in subarctic sparsely wooded peatland habitats, not restricted to tundra
Coenonympha tullia kodiak, Matanuska-Susitna District, Alascom Access Rd, Glenn Highway, 61.84960N 147.38210W, 4 Jul 2021, BM4
Erebia disa, North Slope District, Sagwon Bluffs, 23 Jun-4 Jul 2021, KEJ
Erebia disa, Yukon-Koyukuk District, Kanuti River, 8-13 Jun 2021, KEJ, abundant, no *Erebia mancinus* found here or northward despite extensive potential habitat (searches in 2014, 2021)
Erebia discoidalis, North Slope District, Table Mountain, 18 Jun 2021, KEJ, also RN, abundant, found farther north and at higher elevation than in 2014, whereas tundra *Erebia* were scarce at low elevation
Erebia lafontainei, North Slope District, Sagwon Bluffs, 4 Jul 2021, SCB, abundant, also KEJ, KAT, WRD
Erebia mackinleyensis, North Slope District, Atigun Pass, 12 Jul 2021, WRD, also KAT, SCB
Erebia mackinleyensis, North Slope District, Atigun Pass, Dalton Hwy, mile 245, 22 Jun 2021, KK, 1450'
Erebia mackinleyensis, North Slope District, Galbraith Lake, 7-10 Jul 2021, KEJ, found in various scree types, including dolomite
Erebia mackinleyensis, North Slope District, Galbraith Lake, 27 Jun 2021, KK, 853m
Erebia mancinus, Yukon-Koyukuk District, No Name Creek, 16 Jun 2021, KEJ, farthest north point documented along Dalton, records reported north of here likely refer to *E. disa*
Erebia mancinus, Yukon-Koyukuk District, Wickersham Dome, 15 Jun 2021, KEJ, flying at treeline
Erebia occulta, North Slope District, Table Mountain, 18 Jun-12 Jul 2021, KEJ
Erebia pawloskii, North Slope District, Galbraith Lake, 30 Jun-10 Jul 2021, KEJ, absent in 2014
Erebia rossii, North Slope District, Galbraith Lake, 24 Jun 2021, KK, 853m
Erebia rossii, North Slope District, Oil Spill Hill, Dalton Hwy, mi 320, 26 Jun 2021, KK, 750m
Erebia rossii, North Slope District, Sagwon Bluffs, 4 Jul 2021, KAT, also KEJ, SCB, WRD
Erebia youngi, North Slope District, Chandalar Shelf, Dalton Hwy, mile 237, 22 Jun 2021, KK, 1340'
Erebia youngi, North Slope District, Galbraith Lake, 2 Jul 2021, SCB, also KAT, WRD
Erebia youngi, North Slope District, Table Mountain, 12 Jul 2021, KEJ
Oeneis bore, Yukon-Koyukuk District, Kanuti River, 8 Jun 2021, KEJ
Oeneis jutta alaskensis, Anchorage District, Mt Baldy, Eagle River, 61.33797N 149.50887W, 12 Jun 2021, BM4
Oeneis jutta, Southeast Fairbanks District, Shaw Creek Flats, 4-5 Jun 2021, KEJ, common, absent in 2014
Oeneis jutta, Yukon-Koyukuk District, Finger Mountain, 14 Jun 2021, KEJ, dwarf shrub/low shrub tundra
Oeneis melissa, North Slope District, Sagwon Bluffs, 23 Jun-4 Jul 2021, KEJ
Oeneis melissa, Yukon-Koyukuk District, Caribou Mountain, 11 Jun 2021, KEJ, abundant
Oeneis philipi, Southeast Fairbanks District, Shaw Creek Flats, 4-5 Jun 2021, KEJ, locally common, absent in 2014
Oeneis philipi, Yukon-Koyukuk District, Fort Hamlin Hills Creek, 7-14 Jun 2021, KEJ, apparently on opposite year cycles at this site with *O. bore*, which was found in 2014
Oeneis philipi, Yukon-Koyukuk District, Hess Creek, 7 Jun 2021, KEJ, apparently on opposite year cycles at this site with *O. bore*, which was found in 2014
Oeneis polixenes, Matanuska-Susitna District, Hatcher Pass, 31 Jul 2021, KEJ
Oeneis tanana, North Slope District, near Tok, 13 Jun 2021, KK, abundant
Oeneis tanana, Southeast Fairbanks District, Delta Junction, 6 Jun 2021, KEJ, common in dry meadows around airstrip

Pieridae:

Euchloe creusa, Yukon-Koyukuk District, Kanuti River, 12 Jun 2021, KEJ
Pontia occidentalis, North Slope District, Table Mountain, 12 Jul 2021, KEJ
Pontia occidentalis nelsoni, Anchorage District, Mt Baldy, Eagle River, 61.33797N 149.50887W, 12 Jun 2021, BM4

Plutellidae:

Rhigognostis interrupta, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ

Pyralidae:

Pima boisduvaliella, Southeast Fairbanks District, Fort Greely, 3 Jun 2021, KEJ

Schreckensteiniidae:

Schreckensteinia festaliella, Juneau District, Juneau, 1 Jun 2021, KEJ

Sesiidae:

Albuna pyramidalis, Chugach District, Whittier, 2 Aug 2021, KEJ, 50+ ex. western poplar clearwing borer lure

Albuna pyramidalis, North Slope District, Table Mountain, 12-15 Jul 2021, SCB, also KEJ, abundant ex. Western poplar clearwing borer lure

Tortricidae:

Aethes deuschiana, North Slope District, Table Mountain, 18 Jun 2021, KEJ

Ancylis diminuatana, Southeast Fairbanks District, Shaw Creek Flats, 3-5 Jun 2021, KEJ

Ancylis subaequana, Fairbanks North Star District, Hopper Creek Peatlands, 6 Jun 2021, KEJ

Ancylis tineana, Fairbanks North Star District, Hopper Creek Peatlands, 6 Jun 2021, KEJ

Ancylis unguicella, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ

Aphelia septentrionalis, North Slope District, Galbraith Lake, 28 Jun-5 Jul 2021, KEJ

Aphelia septentrionalis, Yukon-Koyukuk District, Finger Mountain, 24 Jun 2021, KEJ

Argyrotaenia repertana, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ

Choristoneura albaniana, North Slope District, Galbraith Lake, 28 Jun-5 Jul 2021, KEJ

Clepsis illustrana, Southeast Fairbanks District, Shaw Creek Flats, 3 Jun 2021, KEJ, common

Clepsis moeschleriana, North Slope District, Galbraith Lake, 28 Jun-5 Jul 2021, KEJ

Yukon Territory:

Crambidae:

Evergestis simulatilis, Yukon Southern Lakes, Judas Creek, 30 Jun 2021, AL2, 824m

Gesneria centuriella, Yukon Southern Lakes, Judas Creek, 11 Jul 2021, AL2, 824m

Pyrausta inaequalis, Yukon Southern Lakes, Judas Creek, 30 Jun 2021, AL2, 824m

Depressariidae:

Exaeretia ciniflonella, Yukon Southern Lakes, Judas Creek, 16 Jun 2021, AL2, 824m

Erebidae:

Apantesis speciosa, Yukon Southern Lakes, Judas Creek, 9 Jul 2021, AL2, 823m

Arctia opulenta, Yukon-Stikine Highlands, Montana Mountain, 22 Jul 2021, AL2, 1645m

Arctia plantaginis, St. Elias Mountains, Nickel Creek, 15 Jul 2021, AL2, 1321m

Gynaephora rossii, Yukon Southern Lakes, Judas Creek, 8 Jul 2021, AL2, 829m

Geometridae:

Antepirrhoe semiatrata, Yukon Southern Lakes, Judas Creek, 22 Jul 2021, AL2, 810m

Entephria polata, Yukon-Stikine Highlands, Montana Mountain, 20 Jul 2021, AL2, 1679m

Epelis truncataria, Yukon Southern Lakes, Judas Creek, 6 Jul 2021, AL2, 745m

Epirrhoe alternata, Yukon Southern Lakes, Judas Creek, 24 Jun 2021, AL2, 832m

Scopula cajanderi, St. Elias Mountains, Nickel Creek, 15 Jul 2021, AL2, 1312m

Selenia alciphearia, Yukon Southern Lakes, Judas Creek, 16 Jun 2021, AL2, 824m

Trichodezia albovittata, Yukon Southern Lakes, Judas Creek, 16 Jun 2021, AL2, 824m

Noctuidae:

Actebia fennica, Yukon Southern Lakes, Judas Creek, 25 Aug 2021, AL2, 745m

Agrotis ruta, St. Elias Mountains, Nickel Creek, 16 Jul 2021, AL2, 1561m

Anarta oregonica, Yukon Southern Lakes, Carcross, 3 Jun 2021, AL2, 678m, open spruce forest on sandy soil

Apamea cogitata, Yukon Southern Lakes, Judas Creek, 28 Jul 2021, AL2, 745m

Enargia decolor, Yukon Southern Lakes, Judas Creek, 10 Sep 2021, AL2, 745m

Paradiarsia littoralis, Yukon Southern Lakes, Judas Creek, 27 Jun 2021, AL2

Schinia persimilis, Yukon-Stikine Highlands, Conrad, 29 May 2021, AL2, 743m

Sympistis heliophila, Yukon Southern Lakes, Judas Creek, 7 Jul 2021, AL2, 760m

Syngrapha parilis, St. Elias Mountains, Nickel Creek, 14 Jul 2021, AL2, 1312m

Xanthia tatago, Yukon Southern Lakes, Judas Creek, 23 Jul 2021, AL2, 780m

Xestia intermedia, St. Elias Mountains, Nickel Creek, 15 Jul 2021, AL2, 1867m, on Arch Peak

Xestia lupa, St. Elias Mountains, Nickel Creek, 14 Jul 2021, AL2, 1312m

Xestia oblata, Yukon Southern Lakes, Judas Creek, 25 Jul 2021, AL2, 745m

Xestia okakensis, St. Elias Mountains, Nickel Creek, 15 Jul 2021, AL2, 1321m

Xestia perquiritata, Yukon Southern Lakes, Judas Creek, 5 Aug 2021, AL2, 745m

Xestia smithii, Yukon Southern Lakes, Judas Creek, 25 Aug 2021, AL2, 745m

Xestia speciosa, Yukon Southern Lakes, Judas Creek, 30 Jun 2021, AL2

Notodontidae:

Furcula scolopedrina, Yukon Southern Lakes, Judas Creek, 21 Jul 2021, AL2, 798m

Nymphalidae:

Oeneis ca. *tanana*, Yukon Plateau North, 16km W of Stewart Crossing, 14 Jun 2021, AL2, 674m (editor's note: this is evidently a separate species based on nuclear DNA comparisons)

Tortricidae:

Clepsis persicana, Yukon Southern Lakes, Judas Creek, 30 Jun 2021, AL2, 745m

Hystrichophora asphodelana, Yukon Southern Lakes, Judas Creek, 14 Jun 2021, AL2, 824m

Zone 2: Pacific Northwest: British Columbia, Idaho, Oregon, Washington

Coordinator: Jon H. Shepard

Contributors: André Langlois (AL2)

No written summary was provided.

RECORDS:

British Columbia:

Geometridae:

Mesoleuca gratulata, Stikine, Paddy Peak, 25 Jun 2021, AL2, 1110m

Hesperiidae:

Carterocephalus palaemon skada, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1322m

Hesperia comma borealis, Stikine, Paddy Peak, 8 Jul 2021, AL2, 873-1424m

Pyrgus centaureae, Stikine, Paddy Peak, 8 Jul 2021, AL2, 873-1123m

Noctuidae:

Anarta nigrolunata, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1139m

Nymphalidae:

Boloria alaskensis, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1559m

Boloria chariclea butleri, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1500m

Boloria eunomia, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1559m

Boloria freija, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1550m

Boloria polaris, Stikine, Paddy Peak, 21 Jul 2021, AL2, 1502m

Papilionidae:

Papilio machaon aliaska, Stikine, Paddy Peak, 8 Jul 2021, AL2, 1024m

Pieridae:

Anthocharis sara alaskensis, Stikine, Paddy Peak, 8 Jul 2021, AL2, 873-1235m

Colias hecla, Stikine, Paddy Peak, 25 Jul 2021, AL2, 1570m

Colias nastes, Stikine, Paddy Peak, 27 Jul 2021, AL2, 1635m

Pieris marginalis tremblayi, Stikine, Paddy Peak, 25 Jul 2021, AL2, 824-1100m

Pontia sisymbrii beringiensis, Stikine, Paddy Peak, 8 Jul 2021, AL2, 974m

Zone 3: Southwest/Hawaii: Arizona, California, Nevada, and Hawaii

Coordinators: Ken Davenport and Kelly Richers

Contributors: Brett Badeaux (BB7), BAMONA submission (BAM), Brian Banker (BB4), Mike Bearce (MB2), Mike Bearce & Gary Jue (MB4), William Beck (WB2), Robert Behrstock (RAB), Robert L. Beiriger (RB4), Tom Benson (TB), Debo Boddiford (DB4), Matt L. Bowser (MB6), James Brock (JPB), Diane Brodeur & Robert Gorman (DBG), Mark A. Brogie (MB5), Matthew Brown (MB1), Ray Bruun (RB2), Steven J. Cary (SJC), Lori Conrad (LC), Laurence L. Crabtree (LLC), Bob Cullen (BC), Ken Davenport (KD), P. DeGennero (PDG), J. Demko (JD3), Nancy & David Ewer (NDE), Larry Fellows (LF), Glenn Fine (GF1), Bill Gendron (BG), Glenn Gorelick (GG), Robert Gorman (RG4), Gregory Greene (GG2), Matthew Grube (MG3), Robb Hanawacker (RH1), Kenneth C. Hansen (KCH), David Haviland (DH7), Fred Heath (FH), Fred Heath & Mary Klinkel (FHK), Tom Horton (TH1), iNaturalist submission (IN), Gary Jue & Mary Klinkel (GJK), Ken Kertell (KK), Mary Klinkel (MK2), Laurie Lawrence (LL), Chris Leslie (CL2), Nick Lethaby (NL), Al Ludke (AL1), Marilyn Lutz (ML2), Mary Maki (MM4), David Marsden (DM4), John G. Pasko (JGP), Floyd & June Preston (FJP), Hugh Ranson (HR1), Kilian Roever (KR), Mark Salvato (MS6), Rob Santry (RS3), Pete Spino (PS3),

Mary Stanek (MS5), Jeanne Tinsman (JT5), Richard D. Ullrich (RDU), Mark Walker (MW), Mark Walker & Brian Banker (MWB), Jim Wiseman (JW3), Joseph Zarki (JZ)

Arizona:

The first part of the year suffered a prolonged drought also experienced in 2020. But near record monsoon rainfall triggered recoveries of many resident species and some very unusual influx species activity, especially *Ascia monuste* previously known from about twenty records for the state in history, but also a great influx year for many species listed in this Report. *Pyrisitia proterpia* is an almost regular influx species from Mexico but penetrated much further northward in 2021 than usual. *Copaeodes minima*, *Eurema (arbela) boisduvaliana* and *Pyristia nise* also had banner years in southeast Arizona where they are normally very scarce. Snout butterflies had one of their banner years of extreme abundance and Monarchs are reportedly overwintering in Phoenix southward. Other influx species that are unusual were less common and there were many LATE season records for the state. There are 6 new COUNTY butterfly records for the state, with *Polites vibex* listed here as provisionally accepted. There were a few later records submitted that lacked documentation or sufficient location information to accept.

California:

The state had its second worst drought in recorded history but did have unusual summer rains in the Colorado and eastern Mojave Deserts and in the Joshua Tree National Park-Los Angeles areas southward, leading to a major influx of some Arizona species, notably *Libytheana carinenta* and *Euptoieta claudia*, which both can breed in the state transiently. It was also exciting to find that Monarchs have notably recovered by late fall, over 100 times more common than reported last year and observations reported to me suggest many Monarchs traveled from Arizona into California. Published observations last year showed Monarchs are now much more common in city gardens and cities along the coastal valleys where water, nectar sources, and milkweeds are growing. Many more records for less known butterflies are now being reported from northern California, not as well-known as the southern half of the state. There are 6 new COUNTY records of butterflies for the state. California had major wildfires during the summer and fall that along with the drought will affect butterfly populations, but heavy fall rains may help greatly if those continue into 2022.

Nevada:

More records were reported than usual and the state also had an influx of *Libytheana carinenta* and *Euptoieta claudia* and Monarchs! There were no new COUNTY records.

Hawaii:

No reports submitted for the year.

RECORDS:

Arizona:

Geometridae:

Melanochroia chephise, Santa Cruz Co., Harshaw Rd, 6 Nov 2021, KK

Hesperiidae:

Adopaeoides prittwitzi, Santa Cruz Co., Caleno Cienega, 21 Sep 2021, KK, dwindling in numbers and a species of concern

Agathymus aryxna, Cochise Co., Huachuca Mts, Garden Canyon, 16 Nov 2021, MB1, late record for state

Agathymus baueri freemani, Mohave Co., Hualapai Mts, Deer Creek just below Hualapai Mt Park, 13 Sep 2021, KD

Ancyloxypha arene, Santa Cruz Co., Tumacacori, 14 Dec 2021, IN, late for state, reported by PDG

Apyrrothrix araxes arizonae, Santa Cruz Co., Upper Madera Canyon, jct Josephine Trail, 19 Oct 2021, BB4

Atalopedes campestris, Santa Cruz Co., Amado, 23 Dec 2021, GLK, late for the state

Calpodus ethlius, Santa Cruz Co., Patagonia, 8 Oct 2021, MK2, rare stray to state

Chiodes zilpa, Pima Co., Lower Madera Canyon, 30 Oct 2021, WB2, rare stray to SE AZ

Chiodes zilpa, Pima Co., About 1 mi below mouth of Madera Canyon, 23 Oct 2021, DM4, very rare stray to SE AZ

Chiomara georgina, Pima Co., Santa Rita Mts, lower Madera Canyon, 29 Oct 2021, KK

Chiomara georgina, Pima Co., Lower Madera Canyon, 4 Sep 2021, PDG, rare transient breeder

Chiomara georgina, Pima Co., Lower Madera Canyon, 15 Sep 2021, KD, 5 total individuals

Chiomara georgina, Pima Co., Green Valley, Desert Meadows Park, 5 Dec 2021, MK2, late for state

Chiomara georgina, Pima Co., Arizona Living Desert Museum, 26 Sep 2021, PDG

Chiomara georgina, Santa Cruz Co., Whipple Observatory below Montosa Canyon, 19 Sep 2021, KD, three individuals
Chiomara georgina, Santa Cruz Co., Sycamore Canyon, 18 Oct 2021, MWB
Chiomara georgina, Santa Cruz Co., Pajarito Mts, bottom of Warsaw Canyon, 17 Oct 2021, MWB
Chiomara georgina, Santa Cruz Co., Pajarito Mts on Ruby Rd, E Sycamore Canyon, 8 Oct 2021, KK
Chiomara georgina, Santa Cruz Co., Montosa Canyon, 25 Sep 2021, PDG
Chiomara georgina, Santa Cruz Co., Montosa Canyon, 25 Sep 2021, RG4
Chiomara georgina, Santa Cruz Co., Atascosa Mts, California Gulch, 16 Sep 2021, KK
Chiomara georgina, Santa Cruz Co., Harshaw Rd S of Patagonia, 6 Nov 2021, KK
Copaeodes minima, Pima Co., Arivaca Lake, 4 Oct 2021, KR, few records from Pima Co.
Copaeodes minima, Santa Cruz Co., Tumacacori, Santa Gertrudas Lane, 14 Nov-14 Dec 2021, PDG, late for state
Copaeodes minima, Santa Cruz Co., Pena Blanca Lake and Canyon, 10 Oct-6 Nov 2021, PDG
Copaeodes minima, Santa Cruz Co., California Gulch, Warsaw Canyon, 1-17 Oct 2021, MWB, usually rare but seen in numbers at several locations
Heliopetes domicella, Pima Co., Pima Canyon, Santa Rita Mts., 7 Aug 2021, PDG
Heliopetes domicella, Pima Co., Bull Pasture, Organ Pipe Nat. Mon., 19 Oct 2021, MB1
Heliopetes domicella, Santa Cruz Co., Scribner Gulch and Warsaw Canyon, 17 Oct 2021, MWB
Heliopetes domicella, Santa Cruz Co., Agua Caliente Canyon, 7 Nov 2021, WB2
Heliopetes laviana laviana, Santa Cruz Co., Santa Rita Mts, Montosa Canyon, 2 Oct 2021, LC, rare stray to SE AZ
Heliopetes laviana laviana, Santa Cruz Co., Atascosa Mts, California Gulch, 12 Sep 2021, KK, very rare stray to SE AZ
Lerema accius, Pima Co., Tumacacori, 26 Dec 2021, PDG, late for state
Lerema accius, Santa Cruz Co., Sycamore Canyon, 18 Oct 2021, MWB
Lerema accius, Santa Cruz Co., Sycamore Canyon, 25 Oct 2021, PDG
Lerema accius, Santa Cruz Co., Pena Blanca Lake, 1 Dec 2021, KK
Lerema accius, Santa Cruz Co., near Pena Blanca Lake, 10 Oct 2021, PDG, rare migrant from MX
Lerema accius, Santa Cruz Co., near Pena Blanca Lake, 17 Sep 2021, KD, one male near small stream in grassy area
Lerema accius, Santa Cruz Co., Amado, 23 Dec 2021, GLK
Lerodea arabus, Santa Cruz Co., Sycamore Canyon, 18 Oct 2021, MWB
Polites vibex, **Santa Cruz Co.**, Patagonia, 11 Oct 2021, KR, possible STATE record, previous report unverified
Polygonus leo arizonensis, Santa Cruz Co., Arivaca, 7 Oct 2021, WB2, very rare stray to SE AZ
Pyrgus scriptura apertorum, Pima Co., Bull Pasture, Organ Pipe Nat. Mon., 19 Oct 2021, MB1
Systasea pulverulenta, Santa Cruz Co., Sycamore Canyon, 16 Oct 2021, PDG, not seen in state for several years
Systasea pulverulenta, Santa Cruz Co., near Arivaca, 18 Oct 2021, MB2, 2nd for state, photo record
Timochares ruptifasciata, Pima Co., Canoa Ranch, 10 Nov-18 Dec 2021, MK2, late for state
Timochares ruptifasciata, Pima Co., Arizona Living Desert Museum, 24 Sep 2021, MK2, substantiates earlier observations
Timochares ruptifasciata, Pima Co., Arizona Living Desert Museum, 26 Sep 2021, PDG
Timochares ruptifasciata, Santa Cruz Co., Sycamore Canyon, 23 Oct 2021, PDG, very rare stray to SE AZ
Timochares ruptifasciata, Santa Cruz Co., Sycamore Canyon, 23 Oct 2021, RG4, may be same individual
Urbanus proteus, Pima Co., Tucson, 31 Oct 2021, KK, rare stray to SE AZ
Urbanus proteus, Pima Co., Proctor Rd area, lower Madera Canyon, 19 Oct 2021, BB4, rare stray to SE AZ

Lycaenidae:

Arawacus jada, Santa Cruz Co., Tumacacori, Santa Cruz River, 30 Nov 2021, WB2
Arawacus jada, Santa Cruz Co., Sycamore Canyon, 26 Aug 2021, BB4, very rare stray to AZ
Arawacus jada, Santa Cruz Co., Pena Blanca Lake, 28 Aug 2021, PDG
Callophrys nelson siva, Pima Co., Santa Rita Mts, Montosa Canyon, 15 Jan 2021, FHK, early for state
Callophrys xami, Pima/Santa Cruz Co., Santa Rita Mts, Madera Canyon, 2 Mar 2021, MB4, rare in Santa Rita Mts, new for Madera Canyon
Callophrys xami, Santa Cruz Co., Santa Rita Mts, Montosa Canyon at seep, 6 Mar 2021, MK2, 2nd locality for county
Chlorostrymon simaethis sarita, Mohave Co., Hualapai Mts, Hualapai Mt Rd, 10 May 2020, DH7
Euphilotes baueri, Coconino Co., North Rim Grand Canyon, 36°20'42"N 111°57'10"W, 6 May 2021, TH1, verified by genomic testing
Plebejus melissa, Cochise Co., Chiricahua Mts, East Turkey Creek at Jct FR42, 20 Sep 2021, LC, unusual for area
Strymon istapa clenchi, Santa Cruz Co., Sycamore Canyon, 18 Oct 2021, MWB
Strymon istapa clenchi, Santa Cruz Co., Pena Blanca Lake, 28 Aug-29 Nov 2021, PDG
Strymon istapa clenchi, Santa Cruz Co., Buenos Aires NWR, 20 Aug 2021, TH1, rarely seen in the state
Tharsalea helloides, **Mohave Co.**, Littlefield, 11 Nov 2021, KR
Tharsalea rubidus ferrisi, Greenlee Co., Hannagan Meadows, White Mts, 8600', 25 Aug 2021, BB4

Noctuidae:

Hypocala andremona, **Pima Co.**, 5 mi S Sabino Canyon, 10 Sep 2021, JPB

Nymphalidae:

Anaea aidea, Pima Co., Proctor Rd area, lower Madera Canyon, 19 Oct 2021, BB4
Anaea aidea, Santa Cruz Co., Tumacacori, Santa Gertrudas Lane, 14-27 Nov 2021, PDG
Anaea aidea, Santa Cruz Co., Tumacacori, 5 Dec 2021, MK2, late for state
Anaea aidea, Santa Cruz Co., Sycamore Canyon, 23 Oct 2021, PDG
Anaea aidea, Santa Cruz Co., Santa Rita Mts, Montosa Canyon, 19 Sep 2021, PDG, very limited in range in state
Anaea aidea, Santa Cruz Co., Red Mountain Rd near Patagonia, 2 Oct 2021, BB4
Anaea aidea, Santa Cruz Co., California Gulch-Warsaw Canyon area, 1-17 Oct 2021, BB4
Argynnis aphrodite byblis, Greenlee Co., Hannagan Meadows, White Mts, 8600', 25 Aug 2021, BB4, common
Argynnis nokomis nitocris, Greenlee Co., Hannagan Meadows, White Mts, 8600', 25 Aug 2021, BB4, common

Cercyonis meadii damei, Coconino Co., N side Grand Canyon, Point Sublime N to Swamp Pt, 31 Jul 2021, RH1, along with TH1 and KR
Chlosyne californica, Pima Co., Tucson in Jim Brock's yard and along nearby street, 13 Sep 2021, JPB, with KD, 4 individuals seen
Chlosyne californica, Santa Cruz Co., Pena Blanca Lake area along small stream, 18 Sep 2021, KD, apparently expanding range in SE AZ
Chlosyne theona thekla, Pima Co., Lower Madera Canyon, Santa Rita Mts, 15 Sep 2021, KD, has unusual blackish coloration
Chlosyne theona thekla, Pima Co., Lower Madera Canyon, Santa Rita Mts, 23 Sep 2021, RG4
Cyllopsis pyracmon henshawi, Pima Co., Santa Rita Mts, lower Madera Canyon, 7 Dec 2021, MK2, late for state
Danaus eresimus montezuma, Pima Co., LaPosada Garden, Green Valley, 1-19 Dec 2021, MK2, late for state, with FH on late date
Danaus eresimus montezuma, Santa Cruz Co., Tumacacori, Santa Gertrudas Lane, 14-27 Nov 2021, PDG
Danaus plexippus, Pima Co., Santa Rita Mts, lower Madera Canyon, 15 Sep 2021, KD, common from Proctor Rd to Whitehouse picnic area
Doxocopa laure, Santa Cruz Co., Arivaca, 7 Oct 2021, WB2, one of AZ rarest strays
Euptoieta claudia, Mohave Co., Hualapai Mts in lower canyons, 13 Sep 2021, KD, unusually common after heavy summer rains
Euptoieta hegesia meridiana, Santa Cruz Co., Tumacacori, 16 Dec 2021, MK2, late for state
Euptoieta hegesia meridiana, Santa Cruz Co., Sycamore Canyon, 18 Oct 2021, MWB, rare stray to SE AZ
Euptoieta hegesia meridiana, Santa Cruz Co., Sycamore Canyon, 23 Oct 2021, PDG
Euptoieta hegesia meridiana, Santa Cruz Co., Pena Blanca Canyon, 10 Oct 2021, PDG
Euptoieta hegesia meridiana, Santa Cruz Co., Atascosa Mts, California Gulch, 16 Sep 2021, KK
Euptoieta hegesia meridiana, Santa Cruz Co., Harshaw Rd S of Patagonia, 6 Nov 2021, KK
Heliconius charithonia vazquezae, Cochise Co., Hereford, 5 Sep 2021, RAB, very rare stray to AZ
Junonia nigrosuffusa, Pima Co., Lower Madera Canyon, 11 Oct 2021, GJK, rarely seen in last 2 years
Junonia nigrosuffusa, Santa Cruz Co., Tumacacori, 5 Dec 2021, MK2
Junonia nigrosuffusa, Santa Cruz Co., Sycamore Canyon, 18 Oct 2021, MWB, sighting following population crash
Libytheana carinenta streckeri, Mohave Co., Hualapai Mts at all elevations along rd, 13 Sep 2021, KD, hundreds where usually scarce
Limenitis archippus obsoleta, Santa Cruz Co., Patagonia Lake, 18 Dec 2021, MB1, very late sighting
Limenitis archippus obsoleta, Santa Cruz Co., Patagonia, Sonoita Creek near water, 2 Oct 2021, BB4, 6 observed
Limenitis archippus obsoleta, Santa Cruz Co., Patagonia, Sonoita Creek, 16-21 Sep 2021, MK2, also observed by FH & KD on later date
Limenitis arthemis arizonensis, Mohave Co., Hualapai Mts, Atherton up Deer Creek to Mt Park, 13 Sep 2021, KD, good numbers here but scarce in SE AZ
Marpesia petreus, Santa Cruz Co., Sycamore Canyon, 19 Aug 2021, TH1, one of rarest strays to AZ
Mestra amymone, Pima Co., Lower Madera Canyon nr 2nd bridge up trail from Proctor Rd, 14 Nov 2021, PDG
Mestra amymone, Pima Co., Green Valley, 28 Nov 2021, MK2
Mestra amymone, Santa Cruz Co., Sycamore Canyon, 16-23 Oct 2021, PDG, rare stray appearing in the fall
Mestra amymone, Santa Cruz Co., Pena Blanca Canyon, 6-29 Nov 2021, PDG
Mestra amymone, Santa Cruz Co., Bottom of Warsaw Canyon (Chilton Ranch Rd), 17 Oct 2021, MWB
Microtia elva, Santa Cruz Co., Whipple Observatory below Montosa Canyon, 19 Sep 2021, PDG, returning to state
Microtia elva, Santa Cruz Co., Santa Rita Mts, Montosa Canyon, 11 Oct 2021, MK2
Microtia elva, Santa Cruz Co., Pena Blanca Lake, 10 Oct 2021, PDG
Microtia elva, Santa Cruz Co., California Gulch-Warsaw Canyon area, 1-17 Oct 2021, BB4, small numbers
Phyciodes phaon jalapeno, Santa Cruz Co., Sycamore Canyon, 16 Oct 2021, PDG, rare except for at one colony in state
Poladryas arachne, Santa Cruz Co., Sonoita, 6 Nov 2021, MK2, scarce and late for state
Polygonia interrogationis, Pima Co., Tucson in Jim Brock's yard, 1 Oct 2021, KK
Polygonia interrogationis, Santa Cruz Co., Upper Madera Canyon, jct Josephine Trail, 19 Oct 2021, BB4
Polygonia interrogationis, Santa Cruz Co., Santa Rita Mts., Montosa Canyon, 24 Sep 2021, KK, becoming more well established in state
Polygonia interrogationis, Santa Cruz Co., Patagonia area in Sonoita Creek near Preserve, 2 Oct 2021, BB4

Papilionidae:

Battus polydamas, Pima Co., Santa Catalina Mts, Molino Basin, 3 Oct 2021, GG2, may have developed from larvae from butterfly garden, not introduced

Papilio polyxenes asterius, Maricopa Co., Mesa, 2 Oct 2021, RDU, rare in Mesa

Pieridae:

Ascia monuste, Cochise Co., Three Canyons Rd, E Hwy 92, Hereford, 22 Aug 2021, RAB, photo by Karen LeMay

Ascia monuste, Cochise Co., SR 181, 5 mi N of jct with Turkey Creek Rd, 2 Oct 2021, KK

Ascia monuste, Cochise Co., Home gardens near entrance to Miller Canyon, 27 Aug 2021, BB4

Ascia monuste, Cochise Co., Chiricahua Mts, Portal, 20 Sep 2021, LC

Ascia monuste, **Gila Co.**, Gila Hwy 77, MP 147, 23 Aug 2021, JPB

Ascia monuste, **Graham Co.**, Ropers Lake, 5 mi S of Safford, 24 Sep 2021, KR

Ascia monuste, **Maricopa Co.**, Tempe, Broadway Palms, 22 Aug 2021, IN, "Larivera"

Ascia monuste, Maricopa Co., Wickenburg, Hassayampa River Preserve, 1 Sep 2021, IN, photo by Adrian Smith

Ascia monuste, Maricopa Co., Scottsdale, 22 Aug 2021, MK2, major northern range extension

Ascia monuste, Maricopa Co., Eastern Mesa, 17-20 Sep 2021, RDU

Ascia monuste, Pima Co., Tucson, 1 mi S of Sabino Canyon, Sabino Canyon Rd, 14 Sep 2021, KD

Ascia monuste, Pima Co., Tucson in yard, 23 Aug-1 Nov 2021, JPB, regular visitor for 30 straight days

Ascia monuste, Pima Co., Santa Rita Mts, lower Madera Canyon, 15-17 Sep 2021, KD, singletons

Ascia monuste, Pima Co., Santa Rita Mts, lower Madera Canyon, 14 Nov 2021, PDG

Ascia monuste, Pima Co., Santa Rita Mts, Florida Canyon, 18 Sep 2021, KK

Ascia monuste, Pima Co., Sabino Dam, Santa Catalina Mts, 19 Dec 2021, FH, reported by Gary Stuart

Ascia monuste, Pima Co., Organ Pipe National Monument, 17 Sep 2021, AL1

Ascia monuste, Pima Co., Green Valley, 20 Nov 2021, MK2

Ascia monuste, Pima Co., Frontage Rd, I-19, Green Valley, 26 Dec 2021, IN, photo by Jeff Oliver, late for state
Ascia monuste, Pima Co., Arizona Living Desert Museum, 24 Sep 2021, MK2
Ascia monuste, Pima Co., Arizona Living Desert Museum, 26 Sep 2021, PDG
Ascia monuste, Pinal Co., Santa Cruz River, at Sasco Rd crossing, 7 Nov 2021, PDG
Ascia monuste, Santa Cruz Co., Tumacacori, 21 Aug 2021, PDG
Ascia monuste, Santa Cruz Co., Sycamore Canyon, 23 Sep 2021, DBG, also with PDG
Ascia monuste, Santa Cruz Co., Pena Blanca Lake and Canyon, 21-28 Aug 2021, PDG, previously only 20 sightings, huge influx this year
Ascia monuste, Santa Cruz Co., Patagonia and nearby Blue Haven Rd, 16-21 Sep 2021, KD
Ascia monuste, Santa Cruz Co., Blue Haven Rd, near Patagonia, 6-10 Sep 2021, PDG
Eurema arbela boisduvaliana, Pima Co., Tucson in yard, 31 Aug-1 Nov 2021, JPB, seen twice in butterfly garden
Eurema arbela boisduvaliana, Pima Co., Santa Rita Mts, lower Madera Canyon, 15 Sep 2021, KD, 3 individuals
Eurema arbela boisduvaliana, Pima Co., Lower Madera Canyon, 14 Nov 2021, PDG
Eurema arbela boisduvaliana, Pima Co., Green Valley, 22 Dec 2021, MK2, late for state
Eurema arbela boisduvaliana, Pima Co., Desert Meadows Park, Green Valley, 28 Nov 2021, MK2, 5 seen
Eurema arbela boisduvaliana, Santa Cruz Co., Sycamore Canyon, 23 Sep-25 Oct 2021, PDG
Eurema arbela boisduvaliana, Santa Cruz Co., Pena Blanca Lake, 21 Aug-1 Nov 2021, PDG, normally rare, but observed at many locations
Eurema arbela boisduvaliana, Santa Cruz Co., Patagonia, Blue Haven Rd, 21 Sep 2021, KD
Eurema arbela boisduvaliana, Santa Cruz Co., Patagonia Post Office, 2 Oct 2021, BB4, fresh individual on lantana
Glutophrissa drusilla, Pima Co., Santa Rita Mts, lower Madera Canyon, 7 Oct 2021, JW3, very rare stray to state
Kricogonia lyside, Maricopa Co., Mesa, 21-26 Jul 2021, RDU, rare stray in Mesa
Kricogonia lyside, Pima Co., Madera Canyon, 21 Oct 2021, LF
Kricogonia lyside, Pima Co., Lower Madera Canyon, 19 Oct 2021, BB4, rare stray, probably transiently breeding
Kricogonia lyside, Santa Cruz Co., Tumacacori, 12-14 Dec 2021, PDG, sometimes flies into Jan
Kricogonia lyside, Santa Cruz Co., Sycamore Canyon, 16 Oct 2021, PDG, rare stray
Phoebis agarithe fisheri, Maricopa Co., Mesa, Boulder Mt Enclave, 7 Sep-6 Oct 2021, RDU
Phoebis agarithe fisheri, Maricopa Co., Trailhead Recreation Area, 1-9 Sep 2021, RDU, infrequent in county
Phoebis agarithe fisheri, Maricopa Co., Eastern Mesa, 26 Nov 2021, RDU
Phoebis sennae marcellina, Mohave Co., Hualapai Mts, Deer Creek just below Hualapai Mt Park, 13 Sep 2021, KD, common where usually scarce
Pontia beckerii, Coconino Co., Lee's Ferry, Colorado River Crossing, 4 Nov 2021, KR, late for state
Pyrisitia lisa, Santa Cruz Co., Sycamore Canyon, 23 Sep-25 Oct 2021, PDG
Pyrisitia lisa, Santa Cruz Co., Sonoita Creek, Blue Haven Rd, W of Patagonia, 16 Sep 2021, LF
Pyrisitia nise nelphe, **Greenlee Co.**, Eagle Creek at Cross A Ranch, 23 Sep 2021, KR, one individual
Pyrisitia nise nelphe, Pima Co., Santa Rita Mts, lower Madera Canyon, 15-20 Sep 2021, KD, usually rare species in several locations in 2021
Pyrisitia nise nelphe, Pima Co., Lower Madera Canyon, 14 Nov 2021, PDG
Pyrisitia nise nelphe, Pima Co., Green Valley, 28 Nov-22 Dec 2021, MK2, late for state
Pyrisitia nise nelphe, Santa Cruz Co., Tumacacori, Santa Gertrudas Lane, 14 Nov-12 Dec 2021, PDG
Pyrisitia nise nelphe, Santa Cruz Co., Sycamore Canyon, 23 Sep-25 Oct 2021, PDG
Pyrisitia nise nelphe, Santa Cruz Co., Santa Rita Mts, Montosa Canyon, 19-25 Sep 2021, PDG
Pyrisitia nise nelphe, Santa Cruz Co., Pena Blanca Lake and Canyon, 10 Oct-6 Nov 2021, PDG
Pyrisitia nise nelphe, Santa Cruz Co., Patagonia, Sonoita Creek, 2 Oct 2021, BB4, at mud
Pyrisitia nise nelphe, Santa Cruz Co., Patagonia, Blue Haven Rd and Sonoita Creek, 16-21 Sep 2021, KD
Pyrisitia nise nelphe, Santa Cruz Co., California Gulch, Warsaw Canyon, 1-17 Oct 2021, BB4, accompanied by MW on later date
Pyrisitia proterpia, Gila Co., Sierra Ancha, Rt 288 at Parker Creek, 22 Sep 2021, KR
Pyrisitia proterpia, Gila Co., Sierra Ancha, FR 410 at Reynolds Creek, 22 Sep 2021, KR
Pyrisitia proterpia, Gila Co., San Carlos River at Peridot, 28 Sep 2021, KR
Pyrisitia proterpia, Gila Co., Rt 288 at Salt River, 22 Sep 2021, KR
Pyrisitia proterpia, Graham Co., San Carlos River at Peridot (E side of River is county line), 28 Sep 2021, KR
Pyrisitia proterpia, Graham Co., Ropers Lake, 5 mi S of Safford, 24 Sep 2021, KR
Pyrisitia proterpia, Graham Co., Bonita Creek at Gila River, 24 Sep 2021, KR
Pyrisitia proterpia, Graham Co., Bylas, 25 Sep 2021, KR
Pyrisitia proterpia, Greenlee Co., Eagle Creek at Cross A Ranch, 23 Sep 2021, KR, two seen, rare in county
Pyrisitia proterpia, Maricopa Co., Phoenix (Desert Botanical Garden), 18 Oct 2021, KR, confirms earlier record
Pyrisitia proterpia, Maricopa Co., Eastern Mesa, 29 Oct 2021, RDU
Pyrisitia proterpia, Yavapai Co., Camp Verde (White Bridge), 21 Sep 2021, KR
Pyrisitia westwoodii, Santa Cruz Co., Patagonia, 22 Aug 2021, PDG, very rare stray to AZ, photo of individual in good condition
Pyrisitia westwoodii, Pima Co., Santa Rita Mts, lower Madera Canyon near Proctor Rd, 15 Oct 2021, KD, very rare stray, confirmed by Richard Bailowitz, worn individual

Riodinidae:

Apodemia ares, Cochise Co., Chiricahua Mts, South Fork Cave Creed, 17 Oct 2021, SJC
Apodemia hepburni, Santa Cruz Co., Willow Spring Canyon, Patagonia Mts, 4800', 4 Nov 2021, MB1
Apodemia hepburni, Santa Cruz Co., Santa Rita Mts, Montosa Canyon, 14 Nov 2021, MK2
Apodemia hepburni, Santa Cruz Co., Santa Rita Mts, Agua Caliente Canyon, 11 Nov 2021, WB2
Apodemia hepburni, Santa Cruz Co., Mule Mts, 2 Nov 2021, DD4, only about 10 previous records in AZ
Calephelis arizonensis, Cochise Co., Chiricahua Mts, South Fork Cave Creed, 17 Oct 2021, SJC
Calephelis nemesis, Coconino Co., Lee's Ferry, Colorado River Crossing, 4 Nov 2021, KR, possible northern range extension

California:

Cosmopterigidae:

Walshia miscelorella, Lassen Co., 4 mi E Bieber, 22 Jul 2012, LLC

Crambidae:

Agriphila attenuata, Lassen Co., 7 mi N Doyle, Turtle Mt, 12 Sep 2020, LLC

Pseudoschoenobius opalescalis, Modoc Co., 6 mi E Cedarville, 24 May 2009, LLC

Depressariidae:

Antaeotricha manzanitae, Lassen Co., 7 mi E Bieber, Cary Reservoir, 17 Jul 2013, LLC

Gelechiidae:

Agrippe laudatella, Yolo Co., Davis, 5 Sep 2021, JDB

Prolita princeps, Lassen Co., 7 mi E Bieber, 5 Sep 2010, LLC

Prolita princeps, Modoc Co., 6 mi E Cedarville, 5 Sep 2008, LLC

Geometridae:

Fernaldella stalactaria, Lassen Co., 7 mi N Doyle, Turtle Mt, 25 Jun 2021, LLC

Macaria helena, Lassen Co., 18 mi W Milford, 11 Jun 2021, LLC, emerged from rearing on *Ribes aureum*

Protitame subalbaria, Lassen Co., 10 mi S Eagleville, 10 Mar 2021, LLC, emerged from rearing on *Salix*

Glyphipterigidae:

Glyphipterix bifasciata, Lassen Co., Ambrose Canyon, 7 Jul 2021, LLC

Gracillariidae:

Cameraria pentekes, Yolo Co., Davis, 11 May 2021, JDB

Hesperiidae:

Amblyscirtes vialis, Shasta Co., McCloud River Bridge area, 29-30 Apr 2021, KD, several seen

Epargyreus clarus californicus, Kern Co., Greenhorn Mts, Old State Rd along creek near Alta Sierra, 27 May 2021, KD, one individual, southern range record, new locality

Epargyreus clarus californicus, Kern Co., Greenhorn Mts, Old State Rd Wagyo Flat Rds, 27 May 2021, KD, has reappeared several years after major fire

Epargyreus clarus californicus, Santa Barbara Co., Santa Ynez Mts, Camino Cielo East, 4 mi W Hwy 154, 5 Jun 2021, NL, few records for county

Erynnis afranius, San Diego Co., Boulder Creek Rd, 7 Jun 2021, BAM

Erynnis afranius, Ventura Co., Frazier Mt, 10 Jun 1950, FJP, record provided from specimen at McGuire Center

Erynnis funeralis, San Diego Co., Santa Margarita River, 1 Dec 2021, BB7, only one later date for state

Erynnis icelus, Alpine Co., Vought Canyon, 6000', 1 May 1968, KD, collected by David Bauer, specimen at McGuire Center

Erynnis icelus, Siskiyou Co., NE Eddy Mts, 3600', 25 May 2021, GF1, few published records

Erynnis icelus, Siskiyou Co., McCloud Reservoir along feeder stream, 1 May 2021, KD, tie for early date, few published records, reported by Andrew Warren

Erynnis lacustra, Santa Barbara Co., near summit Fox Mt, 4 Apr 2021, MM4, few records for county

Erynnis lacustra, Trinity Co., Trinity Alps Rd, W of SR 3, MP 1, 27 May 1994, FJP, provide from specimen via Andrew Warren at McGuire Center

Hesperia columbia, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD

Hesperia miriamae miriamae, Mono Co., ridge between Saddlebag Lake and Garisky Trail, 9 Jul 2019, BB7

Hesperia uncas, Mono Co., Mill Creek Rd in wet meadow, 3-4 mi W US 395, 25 Jul 2021, KD, unusual late date for species, flying with *H. colorado idaho*

Hesperia uncas, Siskiyou Co., 1.1 rd mi W of Sam's Neck Rd on USFS Rd NW Macdoel, 21 Jun 2020, KCH, Record provided from specimen via Andrew Warren at the McGuire Center

Hesperia uncas giuliani, Mono Co., Bodie Hills, 4-5 rd mi NW of Bodie, 8 Jul 2021, JPB, common at this locality

Hesperopsis gracielae, Clark Co., Logandale, E end Grant M Bowler Pk, Muddy River, 2 Apr 2021, MS6

Polites sabuleti sabuleti, Kern Co., Frazier City Park, 6 Sep 2021, KD, very rare along I-5 Ridge Route

Polites sabuleti channelensis, Santa Barbara Co., Santa Rosa Island, Lobo Canyon Beach, 29 Aug 2021, CL2, late for subspecies

Polygonus leo arizonensis, Orange Co., San Clemente, 21 Sep 2021, DBG, in butterfly garden, only record submitted for state in 2021

Pyrgus ruralis, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD

Pyrgus scriptura apertorum, Imperial Co., Brawley, near Jct of Dogwood and Mead, 22 Sep 2021, KD, 20 in about an hour, very common

Pyrgus scriptura apertorum, Riverside Co., Joshua Tree Nat Park, Cap Rock, 15 Oct 2021, JZ

Pyrgus scriptura apertorum, San Bernardino Co., Joshua Tree NP, Covington Flats, 19 Aug-10 Oct 2021, JZ

Pyrgus scriptura apertorum, San Bernardino Co., Joshua Tree Nat Park, Hidden Valley, 15 Oct 2021, JZ

Lycaenidae:

Agriades podarce klamathensis, Siskiyou Co., NE Eddy Mts, 23 May 2021, GF1 & MG3, early for state

Atlides halesus corcorani, Kern Co., Weldon near jct Hwy 178 and Kelso Creek Rd, 12-19 Nov 2021, KD, unusually late flight in Sierra Nevada

Callophrys dumetorum dumetorum, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD, very few published records in N CA

Callophrys dumetorum superperplexa, Inyo Co., Lone Pine Creek bottom, Whitney Portal Grade, 19 Apr 2021, KD, abundant despite drought

Callophrys mossii duodoroffi, Monterey Co., Partington Cove Trail, 20 Jun 2018, MS6, few records for county

Callophrys sheridanii lemberti, Tulare Co., Sherman Pass Rd, Alder Creek, 6700', 18 May 2021, KD, few records for county

Callophrys spinetorum, Inyo Co., top of grade to Whitney Portal near parking lot, 24 Jul 2021, KD, not many records for eastern Sierra for county

Cupido comyntas sissona, Siskiyou Co., NE Eddy Mts, 3600', 9-14 Sep 2021, GF1

Cupido comyntas sissona, Siskiyou Co., McCloud Reservoir along feeder stream, 1 May 2021, KD

Euphilotes dammersi dammersi, San Bernardino Co., Big Morongo Canyon Preserve, Upper Canyon Trail to Morongo Valley, 30 Oct 2021, BC, late for state

Euphilotes glaucon comstocki, Inyo Co., top of grade to Whitney Portal near parking lot, 24 Jul 2021, KD, very few flying due to drought

Euphilotes pallescens elvirae, Riverside Co., W side Joshua Tree NP, 4 Oct 2021, JZ

Euphilotes pallescens elvirae, San Bernardino Co., W side Joshua Tree NP, 24 Jul and 10 Oct 2021, BC, late for state

Euphilotes pallescens elvirae, San Bernardino Co., W side Joshua Tree NP, 19 Aug 2021, JZ

Icaricia neurona, Kern/Ventura Co., Mt Pinos near McGill Camp, 24 Aug 2021, KD, small flight despite drought

Icaricia neurona, Los Angeles Co., Mt Hawkins, San Gabriel Mts, 7500', 6 Jun 2021, BB7

Icaricia neurona, Tulare Co., rocky outcrop Sherman Pass Rd, NW Bald Mt, 28 Jun 2021, KD

Icaricia saepiolus, Kern Co., Piute Mt, Brown Meadow, 11 Jul 2021, CL2, photo records documents that population is not extirpated

Icaricia saepiolus, Kern Co., Piute Mt, Burton Meadow, 12 Jul 2021, CL2, photo records documents that population is not extirpated

Philotiella speciosa, Inyo Co., Lone Pine Creek bottom, Whitney Portal Grade, 19 Apr 2021, KD, flying when lowland populations did not because of drought

Plebejus anna azureus, Siskiyou Co., NE Eddy Mts, 7730', 4 Aug 2021, GF1, poorly known subspecies

Plebulina emigdionis, Inyo Co., Alabama Hills, Movie Rd and Lone Pine Creek, 19 Apr 2021, KD, nine individuals in an hour

Strymon avalona, Los Angeles Co., Santa Catalina Island, Avalon, 27 Aug 2021, MM4

Strymon istapa clenchi, Riverside Co., Palm Desert, 10 Oct 2021, MW

Strymon istapa clenchi, San Diego Co., Rainbow Canyon, Anzqa Borrego Desert SP, 3 Dec 2021, DBG

Tharsalea editha, Siskiyou Co., Mt Eddy Mts between 2 streams, 3650', 31 May 2021, GF1, early for state

Tharsalea helloides, San Diego Co., Anza Borrego Desert, Box Canyon, 13 Oct 2021, BB7, straying out of habitat

Tharsalea hermes, San Diego Co., near Descanso, 8 Jun 2021, RG4

Tharsalea mariposa mariposa, Tuolumne Co., Lyell Fork of Tuolumne River, Yosemite NP, 7 Jul 2021, HR1

Tharsalea mariposa ximena, Siskiyou Co., Waterdog Lake, Russian Wilderness, 22 Jul 2021, GF1, documenting range of newly described ssp

Tharsalea mariposa ximena, Siskiyou Co., Fish Lake, Trinity Alps Wilderness, 5800', 23 Jul 2021, GF1, newly described subspecies

Tharsalea nivalis bichroma, Siskiyou Co., ridge between Dale and upper Shasta Creek, 1 Jun 2021, GF1, early for state

Noctuidae:

Abagrotis trigona, **Yolo Co.**, Davis, 28 Sep 2021, JDB

Argentostiria koebelei, **Lassen Co.**, 7 mi N Doyle, Turtle Mt, 2 Jun 2021, LLC

Drasteria divergens, **Lassen Co.**, 7 mi E Bieber, 23 Jul 2013, LLC

Eutricopsis nexilis, **Lassen Co.**, 7 mi E Bieber, 21 Jul 2013, LLC

Idia americanis, **Lassen Co.**, 7 mi E Bieber, Cary Reservoir, 23 Jul 2013, LLC

Orthosia ferrigera, **Lassen Co.**, 9 mi W Bieber, 13 Mar 2013, LLC

Panthea virginarius, **Modoc Co.**, Dismal Swamp, 30 Aug 2008, LLC

Schinia albifascia, **Lassen Co.**, 7 mi N Doyle, Turtle Mt, 12 Sep 2020, LLC

Schinia meadi, **Lassen Co.**, 7 mi N Doyle, Turtle Mt, 2 Jun 2021, LLC

Notodontidae:

Clostera ornata, **Lassen Co.**, 14 mi SE Adin, Hwy 139, 7 Aug 2021, LLC

Nymphalidae:

Adelpha californica, Mono Co., McLeod Lake, 9000', 21 Jun 2021, HR1, 3rd record for county

Argynnis callippe laurina, Tulare Co., Rd above California Hot Springs to Jct Sierra Divide Hwy, 16 Jul 2021, KD, range extension north, at upper limits of Sonoran Zone

Argynnis coronis snyderi, Siskiyou Co., NE Eddy Mts, 13 Jun & 14 Sep 2021, GF1, poorly documented for far west N CA

Argynnis cybele eileenae, Humboldt Co., USFS Rd, 40.67099N -123.59847W, 17 Jul 2021, LL

Argynnis hydaspe hydaspe, Siskiyou Co., Mt Eddy area between Dale and Upper Shasta Creeks, 4 Jun 2021, GF1

Argynnis mormonia erinna, Siskiyou Co., NE Eddy Mts, in meadow, 7400', 28 Jul-3 Aug 2021, GF1, few records for this subspecies in CA

Cercyonis sthenele sineocellata, Siskiyou Co., NE Eddy Mts, 4700', 5 Aug 2021, GF1, poorly documented in county

Chlosyne acastus neumoegeni, Riverside Co., Joshua Tree Nat Park, Berdoo Canyon, 28 Sep 2021, JZ, accompanied by Tom Haworth and BC

Chlosyne acastus neumoegeni, San Bernardino Co., North Canyon Trail, Joshua Tree NP, 16 Aug-20 Sep 2021, JZ, several seen, rare fall flight

Chlosyne acastus neumoegeni, San Bernardino Co., Joshua Tree Nat Park, Indian Cove Nature Trail, 13 Oct 2021, JZ

Chlosyne californica, San Bernardino Co., Calico Ghost Town in ravine, 16 May 2021, PS3, 1st from Calico Mts

Chlosyne hoffmanni segregata, Siskiyou Co., Between Cliff and Campbell Lake, Marble Mts, 14 Jul 2021, GF1

Chlosyne hoffmanni segregata, Siskiyou Co., NE Eddy Mts, in wooded area above stream, 5300', 16 Jun 2021, GF1, early for subspecies

Chlosyne hoffmanni segregata, Siskiyou Co., NE Eddy Mts, 7100', 22 Jun 2021, GF1

Chlosyne hoffmanni segregata, Siskiyou Co., Between Cliff and Campbell Lake, Marble Mts, 14 Jul 2021, GF1

Chlosyne learnira alma, Inyo Co., Lone Pine Creek near Movie Rd, Whitney Portal Rd, 19 Apr 2021, KD, 3 individuals in new area despite drought

Chlosyne palla eremita, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD, poorly documented in N CA

Coenonympha californica eryngii, Siskiyou Co., NE Eddy Mts, 3625', 28 Oct 2021, GF1, late in season

Danaus gilippus thersippus, Orange Co., San Clemente, 29 Oct 2021, RB4

Danaus gilippus thersippus, Ventura Co., Oxnard, 1 Aug 2021, BAM, photo by Patricia McCollum
Danaus plexippus, Kern Co., Weldon near jct Hwy 178 and Kelso Creek Rd, 12-19 Nov 2021, KD, increased number over last two years
Dymasia dymas imperialis, San Bernardino Co., Joshua Tree Nat Park, Contact Mine Trail, 25 Sep 2021, JZ, observed by Andrew Newmark
Euphydryas chalcedona corralensis, San Bernardino Co., Joshua Tree Nat Park, Indian Cove Nature Trail, 13-15 Oct 2021, JZ, late date by Tom Haworth
Euphydryas chalcedona corralensis, San Bernardino Co., Joshua Tree Nat Park, North Canyon Trail, 20 Oct 2021, JZ, rare summer flight following summer rains
Euphydryas editha colonia, Trinity/Siskiyou Co., Mt Eddy summit, 3 Jun 2021, GF1
Euptoieta claudia, Orange Co., Irvine Park, 17 Sep 2021, BB7
Euptoieta claudia, Riverside Co., Murrieta, 4 Aug 2021, BB7
Euptoieta claudia, Riverside Co., Lake Tamarisk, Desert Center, 11 Sep 2021, JZ, observed by Roger Woodruff
Euptoieta claudia, San Bernardino Co., Twenty Nine Palms, 4 Sep 2021, MG3, very rare stray in CA
Euptoieta claudia, San Bernardino Co., San Bernardino Mts, Onyx Peak, 28 Jul 2021, BB7, very rare stray in CA
Euptoieta claudia, San Bernardino Co., Joshua Tree Nat Park, Indian Cove Nature Trail, 13 Oct 2021, JZ
Euptoieta claudia, San Bernardino Co., New York Mts area, 6 Nov 2021, JZ, observed by Doug Karalon
Euptoieta claudia, San Diego Co., Anza Borrego Desert, Box Canyon, 15 Sep 2021-13 Oct 2021, BB7
Euptoieta claudia, San Diego Co., Anza Borrego Desert, Scissors Crossing, 14 Sep 2021, JZ, observed by Jeff Spaulding
Libytheana carinenta streckeri, Kern Co., Weldon near jct Hwy 178 and Kelso Creek Rd, 12 Nov 2021, KD, three individuals on rabbitbush, first seen in Sierra Nevada since 2014
Libytheana carinenta streckeri, Los Angeles Co., Sierra Madre (city), 3-5 Nov 2021, GG, unusual in county
Libytheana carinenta streckeri, Orange Co., San Clemente, 13 Nov 2021, RB4, seen in yard
Libytheana carinenta streckeri, San Bernardino Co., Mescal Ridge off I-15, 1 Oct 2021, JW3, 20 observed
Libytheana carinenta streckeri, San Bernardino Co., Luckie Park, Thousand Palms, 4 Sep 2021, Tom Benson, major influx from AZ
Libytheana carinenta streckeri, San Bernardino Co., Joshua Tree Nat Park, 15 Oct 2021, JZ, 46 individuals on butterfly count
Libytheana carinenta streckeri, San Bernardino Co., 29 Palms area, 11 Sep 2021, MG3
Libytheana carinenta streckeri, San Bernardino Co., Barstow Community College, 9 Oct 2021, MG3, common
Libytheana carinenta streckeri, San Diego Co., Oceanside, 14 Oct 2021, BB7, migrating toward coast
Libytheana carinenta streckeri, San Diego Co., Anza Borrego Desert near Scissor Crossing, 7 Nov 2021-3 Dec 2021, RB4, common in the desert
Limenitis lorquini powelli, San Diego Co., Santa Margarita River, 1 Dec 2021, BB7, late flight for state
Oeneis ridingsii pallidus, Mono Co., Edge of Mono Lake, 4 Jul 2021, RG4
Phyciodes orseis orseis, Siskiyou Co., NE Eddy Mts, steep canyon and creek, 16 Jun 2021, RS3, GF1, KD, few localities known
Phyciodes orseis orseis, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD, adults patrolling the dirt road, roadsides, and visiting wet spots on road
Polygonia oreas oreas, Monterey Co., Hatton Canyon, 12 Jun 2018, MS6
Vanessa anabella, Kern Co., Weldon near jct Hwy 178 and Kelso Creek Rd, 12-19 Nov 2021, KD, good numbers in a year when this species was scarce

Papilionidae:

Battus philenor hirsuta, Alameda Co., Berkeley, UC Botanical Gardens, 29 May 2021, NDE
Battus philenor hirsuta, San Francisco Co., San Francisco, Golden Gate Park, 29 May 2021, NDE
Battus philenor hirsuta, Shasta Co., McCloud River Bridge area, 29-30 Apr 2021, RS3, GF1, KD, very abundant
Battus philenor hirsuta, Siskiyou Co., McCloud Reservoir along feeder stream, 1 May 2021, KD, poorly known in county, seen where stream drains into lake
Battus philenor philenor, San Bernardino Co., Big Morongo, 4 Sep 2021, MG3
Heraclides rumiko, Los Angeles Co., 29 mi SW of Los Angeles, 3 mi from Torrance Beach, 28 Dec 2017, BAM, Late for state, photo by Gary W. Stuart
Papilio indra shastensis, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD
Parnassius clodius claudianus, Siskiyou Co., NF Klamath River near Russian Wilderness, 22 Jul 2021, GF1, few records for state, distribution poorly known
Parnassius clodius claudianus, Siskiyou Co., Waterdog Lake, 22 Jul 2021, GF1, few records for state, distribution poorly known
Parnassius clodius claudianus, Siskiyou Co., NE Eddy Mts, 7200', 17 Jun-29 Jul 2021, GF1, few records for state, distribution poorly known
Parnassius clodius claudianus, Siskiyou Co., Fish Lake, Trinity Alps Wilderness, 5800', 23 Jul 2021, GF1, few records for state
Parnassius smintheus sternitzkyi, Siskiyou Co., Pacific Crest Trail N and S of Etna Summit, 1 Aug 2018, GF1, few records and poorly known distribution in state
Parnassius smintheus sternitzkyi, Siskiyou Co., NE Eddy Mts, 7200', 17 Jun-29 Jul 2021, GF1, few records for state, distribution poorly known
Parnassius smintheus sternitzkyi, Siskiyou Co., Man Eaten Lake Pacific Crest Trail, 20 Jul 2021, GF1, few records and poorly known distribution in state
Parnassius smintheus sternitzkyi, Siskiyou Co., Dealon Lee Trailhead, 6800', 27 Jul 2021, GF1, few records and poorly known distribution in state

Pieridae:

Abaeis mexicana, Riverside Co., Palm Desert, 10 Oct 2021, MW, rarely reported in CA
Abaeis mexicana, Riverside Co., Joshua Tree NP, Smithwater Canyon area, 15 Oct 2021, BC, late for state
Abaeis mexicana, San Bernardino Co., Joshua Tree NP, Desert Queen Ranch, 15 Oct 2021, ML2
Abaeis mexicana, San Bernardino Co., Joshua Tree (town), 17 Oct 2021, ML2
Abaeis mexicana, San Diego Co., Anza Borrego Desert, Scissors Crossing, 14 Sep 2021, BB7

Abaeis nicippe, Santa Barbara Co., Goleta, Refugio State Beach, 3 Oct 2021, MS5
Abaeis nicippe, Santa Barbara Co., Cliff between Refugio and El Capitan State Beaches, 8 Sep 2021, BAM, photo by Mark Bright
Colias occidentalis, Siskiyou Co., Marble Mts, Shackelford Creek, 14 Jul 2021, GF1, few records for state and poorly known distribution
Cupido amyntula nesiotis, Santa Barbara Co., San Miguel Island, 5 Oct-12 Nov 2021, NL, late for the state, significant flight date extension
Euchloe hyantis hyantis, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, RS3, GF1, KD
Nathalis iole, Los Angeles Co., Santa Catalina Island, Avalon, 11 Sep 2013, MW, surprising migration across ocean
Nathalis iole, Orange Co., San Clemente, 9 Sep 2021, BB7
Neophasia menapia, Kern Co., Piute Mts, Edge of Grouse Meadows, 28 Jul 2021, KD, photo by Alison Sheehey, new for Piute Mts
Phoebis agarithe fisheri, Los Angeles Co., Sierra Madre, 30 Nov 2018, GG, few localities published for county
Phoebis agarithe fisheri, Los Angeles Co., Pico Rivera, 11-12 Nov 2021, BB4
Phoebis agarithe fisheri, Los Angeles Co., Claremont, 12 Nov 2021, BG
Phoebis agarithe fisheri, Riverside Co., Palm Desert, 10 Oct 2021, MW, very common right in town
Phoebis agarithe fisheri, San Bernardino Co., Big Morongo Preserve, 10 Nov 2021, JZ
Phoebis agarithe fisheri, Ventura Co., Oxnard, 12 Nov 2021, BAM, photo by Patricia McCollum
Pieris marginalis castoria, Shasta Co., McCloud River Bridge area, 29-30 Apr 2021, KD, documents subspecies for region
Pieris marginalis castoria, Siskiyou Co., McCloud Reservoir and vicinity, 1 May 2021, KD, documents subspecies for region
Pontia beckerii, Siskiyou Co., NE Eddy Mts W pf US 395, 13 Sep 2021, GF1
Pontia beckerii, Siskiyou Co., Ash Creek, Klamath River Canyon, 2 May 2021, KD
Zerene cesonia, San Bernardino Co., Joshua Tree NP, Indian Cove Nature Trail, 15 Oct-8 Nov 2021, JZ
Zerene cesonia, San Bernardino Co., Joshua Tree (town), 5 Sep 2021, ML2
Zerene cesonia, San Bernardino Co., Desert Queen Ranch, Joshua Tree NP, 15 Oct 2021, ML2
Zerene cesonia, San Diego Co., Anza Borrego Desert, Scissors Crossing, 15 Sep 2021, BB7, uncommon during droughts, rare in CA
Zerene eurydice, Ventura Co., Thousand Oaks, 11 Jan 2021, MM4, unusually early

Pyralidae:

Cacotherapia angulalis, **Lassen Co.**, 7 mi E Bieber, Cary Reservoir, 1 Aug 2009, LLC
Lipographis fenestrella, **Lassen Co.**, 1 mi NW Tuttle Mt., 1 Sep 2020, LLC
Martia arizonella, **Lassen Co.**, 1 mi NW Tuttle Mt., 6 Aug 2011, LLC

Riodinidae:

Apodemia mejicanus deserti, Inyo Co., Alabama Hills, Movie Rd and Lone Pine Creek, 19 Apr 2021, KD, 3rd record for Lone Pine at northern end of range
Apodemia mormo tuolumnensis, **Mariposa Co.**, Mariposa Grove of Giant Sequoias, Yosemite NP, 13 Aug 2021, BAM, photo by Ameet Zaveri, only one seen
Apodemia virgulti davenporti, Ventura Co., Rose Valley, 30 Mar 2015, JGP, western range extension
Apodemia virgulti davenporti, Ventura Co., Rose Valley, 10 Apr 2021, JGP, survived major forest fire

Tortricidae:

Aethes smeathmanniana, **Modoc Co.**, Dismal Swamp, 15 Jul 2006, LLC
Ahmosia gaibinea, **Lassen Co.**, 4 mi E Bieber, 22 Jul 2013, LLC
Ancylis mediofasciana, **Modoc Co.**, 9 mi N Fort Bidwell, 24 May 2009, LLC
Cydia latiferreana, **Lassen Co.**, 7 mi E Bieber, Cary Reservoir, 21 Jul 2013, LLC
Eucosma speculana, **Yolo Co.**, Davis, 30 Mar 2021, JDB
Pelochrista conspiciendana, **Lassen Co.**, Ambrose Canyon, 7 Jul 2021, LLC
Pelochrista lolana, **Modoc Co.**, Dismal Swamp, 15 Jul 2006, LLC
Platphalonidia campicolana, **Lassen Co.**, 4 mi E Bieber, 26 Jun 2010, LLC
Retinia edemoidana, **Lassen Co.**, 7 mi N Doyle, Turtle Mt, 27 Jun 2017, LLC
Rhyacionia jenningsi, **Lassen Co.**, 7 mi N Doyle, Turtle Mt, 27 Jun 2017, LLC

Nevada:

Crambidae:

Evergestis eurekaalis, **Nye Co.**, 5 mi SE Kingston, 9 Sep 2016, LLC
Parapediasia teterrellus, **Nye Co.**, 25 mi N Carvers, 11 Jun 2011, LLC
Prorasea fernaldi, **Churchill Co.**, 15 mi NE Cold Spring Station, 8 Sep 2018, LLC
Pseudoschoenobius opalescalis, **Nye Co.**, 8 mi SE Kingston, 7 Jun 2015, LLC

Gelechiidae:

Chionodes fructuaria, **Churchill Co.**, 15 mi NE Cold Spring Station, 15 Jun 2017, LLC
Chionodes fructuaria, **Lander Co.**, 5 mi NW Kingston, 20 Jun 2014, LLC
Chionodes sistrella, **Nye Co.**, 25 mi N Carvers, 31 May 2013, LLC

Hesperiidae:

Hesperia juba, White Pine Co., Bristlecone Pine Campground, Great Basin NP, 19 May 2021, NDE
Hesperia uncas grandiosa, Nye Co., Northumberland Rd 1.6 mi SE of Hwy 376, 3 Jul 2011, JPB, few records for new subspecies
Hesperia uncas reeseorum, Lander Co., Hwy 722, 3-4 mi NE of Reese River, 3-5 Jul 2011, JPB, few records for new subspecies
Ochlodes yuma yuma, Clark Co., Corn Creek, Desert Wildlife Refuge, 9 Oct 2021, JTS
Polites sabuleti genoa, Washoe Co., North Valley Regional Park, 4 Sep 2021, RB2

Lycanidae:

Satyrium sylvinus megapallidum, Lander Co., Hwy 36, 2 mi NW of Battle Mt, 5 Jul 2011, JPB

Noctuidae:

Caradrina camina, **Churchill Co.**, 15 mi NE Cold Spring Station, 8 Sep 2018, LLC
Idia americalis, **Nye Co.**, 5 mi SE Kingston, 24 Jul 2014, LLC

Nymphalidae:

Argynnis egleis toyable, Lander Co., Kingston Canyon, Toiyable Range ridgeline, 9190', 5 Jul 2021, JPB, few published records
Cercyonis oetus pallescens, Lander Co., Hwy 722 at Reese River, 3 Jul 2011, JPB
Cercyonis oetus pallescens, Lander Co., Hwy 722, 3-4 mi NE of Reese River, 3-5 Jul 2011, JPB, very scarce
Danaus plexippus, Clark Co., Davis Dam-Colorado River near Laughlin, 30 Oct 2021, MB5
Euphydryas editha lehmani, Lander Co., Kingston Canyon, Toiyable Range hilltops, 9215-9342', 4 Jul 2021, JPB, few published records
Euptoieta claudia, Clark Co., Corn Creek, Desert Wildlife Refuge, 10 Sep-9 Oct 2021, JTS
Euptoieta claudia, Nye Co., N Crystal Reservoir Loop Rd, Ash Meadow Wildlife Refuge, 1 Oct 2021, JTS
Libytheana carinenta streckeri, Clark Co., Davis Dam-Colorado River near Laughlin, 30 Oct 2021, MB5
Libytheana carinenta streckeri, Lincoln Co., Upper Lake Access Rd, Pahrnagat NWR, 12 Nov 2021, JTS
Limenitis archippus obsoleta, Clark Co., Davis Dam-Colorado River near Laughlin, 30 Oct 2021, MB5
Nymphalis antiopa, White Pine Co., Bristlecone Pine Campground, Great Basin NP, 19 May 2021, NDE

Pieridae:

Nathalis iole, White Pine Co., Lake Teresa, Great Basin NP, 11 Oct 2021, MM4

Pyralidae:

Alpheias transferrens, **Washoe Co.**, 6 mi NE Flanagan, 15 Jul 2021, LLC
Catastia subactualis, **Lander Co.**, Hwy 50, Austin Summit, 19 Jun 2014, LLC
Sarata incanella, **Lander Co.**, 2 mi N Austin, 10 Jun 2011, LLC

Tortricidae:

Sparganothis striata, **Lander Co.**, Kingston, 20 Jun 2013, LLC, eclosion date

Zone 4: Rocky Mountains; Alberta, Colorado, Montana, New Mexico, Utah, Wyoming
 Coordinator: Charles E. Harp

No reports for Zone 4.

Zone 5: Great Plains; Kansas, Manitoba, Nebraska, North Dakota, Oklahoma, Saskatchewan, South Dakota
 Coordinator Michael M. Ellsbury

Contributors: James Adams (JKA), James Adams & Chris Grinter (A/G), James & Patrick Adams (AA2), Jim W. Arterburn (JWA), Anna Bennett (AB), Mark Black (MAB), Bloomfield Scout Group (BSG), Dr. Mathew L. Brust (MLB), Bill R. Carrel (BRC), Jen Corman (JYC), Colin Croft (CC1), Jennifer L. Dankert (JLD), Neil E. Dankert (NED), Nancy & David Ewer (NDE), Rachel Kunic Hall (RKH), Cliff Ivy (CAI), Charles Schurch Lewallen (CSL), Master Naturalist Class (MNC), Donna Mayes (DM5), Rene McMullen (RM5), Diane Miller (DM6), Jonathan Nikkila (JJN), Oklahoma Lepidoptera Survey (OLS), M. J. Paulsen (MJP), George L. Pierson (GLP), Jay A. Pruett (JP2), Bryan E. Reynolds (BER), Steven Spomer (SMS), Mark Walker (MW), Jonathan Xing (JX)

RECORDS:**Kansas:****Depressariidae:**

Ethmia monticola, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA, very few in state

Erebidae:

Apantesis arge, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA
Apantesis f-pallida, **Morton Co.**, Cimarron National Grasslands, along Cimarron "River", 2.5 mi E of Hwy 27, 12-15 Jul 2021, JKA, very few in state
Catocala abbreviatella, **Barber Co.**, 15 mi W of Medicine Lodge, Tumbleweed Rd, both sides of Hwy 160, 12-14 Jul 2021, JKA, local in state
Catocala amatrrix, **Morton Co.**, Cimarron National Grasslands, along Cimarron "River", 2.5 mi E of Hwy 27, 12-14 Jul 2021, JKA
Catocala amestris, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 12-15 Jul 2021, JKA, uncommon in state
Catocala consors, Barber Co., 15 mi W of Medicine Lodge, Tumbleweed Rd, both sides of Hwy 160, 10-12 Jul 2021, JKA, uncommon in state
Catocala consors, Barber Co., 4 mi W of Medicine Lodge, north side of Hwy 160, 10-12 Jul 2021, JKA, uncommon in state

Catocala maestosa, **Barber Co.**, 4 mi W of Medicine Lodge, north side of Hwy 160, 10-12 Jul 2021, JKA, uncommon in state
Catocala nuptialis, **Morton Co.**, Cimarron National Grasslands, along Cimarron "River", 2.5 mi E of Hwy 27, 12-14 Jul 2021, JKA, far west in state

Catocala whitneyi, Barber Co., 15 mi W of Medicine Lodge, Tumbleweed Rd, both sides of Hwy 160, 10-12 Jul 2021, JKA, local in state
Idia occidentalis, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA, very few in state
Idia occidentalis, **Morton Co.**, Cimarron National Grasslands, along Cimarron "River", 2.5 mi E of Hwy 27, 12-14 Jul 2021, JKA, possible

STATE RECORD

Geometridae:

Archirhoe neomexicana, **Morton Co.**, Cimarron National Grasslands, along Cimarron "River", 2.5 mi E of Hwy 27, 12-14 Jul 2021, JKA, possible **STATE RECORD**

Dichorda rectoria, **Barber Co.**, 15 mi W of Medicine Lodge, Tumbleweed Rd, both sides of Hwy 160, 10-12 Jul 2021, JKA, very few in state
Dichorda rectoria, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA, very few in state
Macaria amboflava, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA, very few in state

Hesperiidae:

Atrytone arogos, Barber Co., 15 mi W of Medicine Lodge, Tumbleweed Rd, both sides of Hwy 160, 10-12 Jul 2021, AA2, first recent record from this location, most abundant butterfly flying

Lycaenidae:

Phaeostrymon alcestis, Barber Co., 4 mi W of Medicine Lodge, north side of Hwy 160, 10-12 Jul 2021, AA2, first recent record from this location

Noctuidae:

Acronicta longa, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA, far west in state
Bellura densa, **Barber Co.**, 15 mi W of Medicine Lodge, Tumbleweed Rd, both sides of Hwy 160, 10-12 Jul 2021, JKA, very few in state
Cucullia lethe, **Cheyenne Co.**, Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 14-15 Jul 2021, JKA, very few in state
Helotropha reniformis, **Cheyenne Co.**, Homesteader Motel, St. Francis, 16 Jul 2021, JKA, at bait, **STATE RECORD**
Schinia volupia, Barber Co., Medicine Lodge, Copa Budget Inn, 11 Jul 2021, JKA, near eastern edge of range in state

Notodontidae:

Tecmessa candida, **Barber Co.**, Medicine Lodge, Copa Budget Inn, 11 Jul 2021, JKA, **STATE RECORD**

Nymphalidae:

Chlosyne fulvia, Cheyenne Co., Devil's Gap in the Arikaree Breaks, 16.5 mi NW of St. Francis, 15 Jul 2021, JKA, recent record for county

Pyralidae:

Dioryctria disclusa, **Cheyenne Co.**, Homesteader Motel, St. Francis, 15 Jul 2021, JKA, very few in state

Nebraska:

Cosmopterigidae:

Euclementia bassettella, **Knox Co.**, 14 Jul 2021, MAB, <https://bugguide.net/node/view/2002575>, **STATE RECORD**
Stilbosis tesquella, **Knox Co.**, 10 Aug 2021, MAB, <https://bugguide.net/node/view/2020130>, **STATE RECORD**

Crambidae:

Pyrausta socialis, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, few (if any) records for state
Saucrobotys fumiferalis, **Dixon Co.**, 8 Aug 2021, MAB, <https://bugguide.net/node/view/2018011>, **STATE RECORD**

Erebidae:

Apantesis arge, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, not many records for state
Apantesis phyllira, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, not many records for state, most abundant moth
Apantesis virgo, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, not many records for state
Calyptra canadensis, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, very few in state
Catocala amatrix, **Keith Co.**, Cedar Point Biological Station, 23 Jul 2021, MNC
Catocala concumbens, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, 2nd location for NE
Catocala ilia, **Dakota Co.**, Basswood Ridge SWMA, 9 Jul 2021, MJP
Catocala luciana, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, uncommon
Catocala micromypha, **Dakota Co.**, Basswood Ridge SWMA, 9 Jul 2021, MJP
Catocala parta, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA
Catocala parta, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA
Catocala whitneyi, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, locally abundant
Catocala whitneyi, **Keya Paha Co.**, Cub Creek Recreation Area, 4 Jul 2021, BSG (c/o Cassidy Wessell)
Ectypia clio, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, farthest east in NE
Haploa reversa, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, first for W NE
Hypercompe permaculata, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, far east for this moth
Macrochilo absorptalis, **Knox Co.**, 9 Jun 2021, MAB, <https://bugguide.net/node/view/1980570>, **STATE RECORD**
Phragmatobia fuliginosa, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, few in W NE
Phragmatobia fuliginosa, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, few in W NE

Spargaloma sexpunctata, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, few in state

Gelechiidae:

Aristotelia elegantella, **Knox Co.**, 12 Aug 2021, MAB, <https://bugguide.net/node/view/2021172>, **STATE RECORD**

Gelechia bianulella, **Knox Co.**, 25 Jun 2021, MAB, <https://bugguide.net/node/view/1990438>, **STATE RECORD**

Gnorimoschema saphirinella, **Knox Co.**, 26 Aug 2021, MAB, <https://bugguide.net/node/view/2029392>, **STATE RECORD**

Geometridae:

Dichorda rectaria, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, possible **STATE RECORD**

Ennomos subsignaria, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, first for W NE

Eriplatymetra grotalaria, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Euchlaena effecta, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, few records in state

Macaria coortaria, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, first for W NE

Gracillariidae:

Parectopa plantaginisella, **Knox Co.**, 25 Jul 2021, MAB, <https://bugguide.net/node/view/2009913>, **STATE RECORD**

Phyllonorycter quercialbella, **Knox Co.**, 13 Aug 2021, MAB, <https://bugguide.net/node/view/2021671>, **STATE RECORD**

Hesperiidae:

Amblyscirtes vialis, **Scotts Bluff Co.**, Wildcat Hills SRA, 10 Aug 2021, CC1

Ancyloxypha numitor, **Banner Co.**, S edge of Wildcat Hills SRA, 22 Aug 2021, CC1

Ancyloxypha numitor, **Boyd Co.**, Hull Lake SWMA, 16 Aug 2021, NED

Ancyloxypha numitor, **Howard Co.**, North Loup SRA, 8 Jul 2021, JIN

Ancyloxypha numitor, **Scotts Bluff Co.**, 8 mi S of Gering, 5 Jul 2021, CC1

Epargyreus clarus, **Butler Co.**, Brainard Cemetery, 2 Jun 2021, SMS

Epargyreus clarus, **Garfield Co.**, 2 mi E of Burwell, 4 Jun 2021, DM6

Hylephila phyleus, **Harlan Co.**, in Orleans, 27 Sep 2021, JLD

Hylephila phyleus, **Polk Co.**, 6.5 mi W, 1.75 mi N of Osceola, 19 Sep 2021, NED

Hylephila phyleus, **Valley Co.**, Davis Creek Campground, 19 Sep 2021, JIN

Lon hobomok, **Butler Co.**, Brainard Cemetery, 2 Jun 2021, SMS

Panoquina ocola, **Lancaster Co.**, in Lincoln, 5 Aug 2020, JX

Polites peckius, **Boone Co.**, 6.5 mi N, 6 mi W of Cedar Rapids, 6 Sep 2021, NED

Polites peckius, **Saline Co.**, Swan Lake (NRD lake), 27 May 2021, NED

Polites themistocles, **Boone Co.**, Y Road west of Hwy 14, 16 Aug 2021, DM6

Lasiocampidae:

Malacosoma californica, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, possible **STATE RECORD**

Lycaenidae:

Celastrina humulus, **Dawes Co.**, King's Canyon, no collection date provided, MLB, possible **STATE RECORD**

Icaricia lupini, **Phelps Co.**, Jones Waterfowl Production Area, 28 Jun 2021, NED

Leptotes marina, **Custer Co.**, in Ansley, 25 Sep 2021, NED

Leptotes marina, **Franklin Co.**, just W of Franklin, 27 Sep 2021, NED, on alfalfa

Satyrium calanus, **Rock Co.**, in Bassett, 27 Jun 2021, JYC

Satyrium titus, **Polk Co.**, 11 Jul 2021, RKH

Strymon melinus, **Boone Co.**, 6.5 mi N, 6 mi W of Cedar Rapids, 6 Sep 2021, NED

Strymon melinus, **Polk Co.**, 6.5 mi W, 1.75 mi N of Osceola, 19 Sep 2021, NED

Noctuidae:

Abagrotis bimarginalis, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, likely **STATE RECORD**

Abagrotis forbesi, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Amphipoea americana, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Anicla exuberans, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, likely **STATE RECORD**

Apamea alia, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, possible **STATE RECORD**

Apamea atosuffusa, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, eastern edge of range

Apamea dubitans, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, few in state

Apamea inficita, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills to W, 26 mi SW Valentine, 20-21 Jul 2021, JKA, **STATE RECORD**

Apamea scoparia, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, likely **STATE RECORD**

Catabena lineolata, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, very few in state

Cucullia convexipennis, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, first for W NE

Diachrysis aereoides, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Hydraecia perobliqua, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Lacinipolia anguina, **Cherry Co.**, Merritt Reservoir State Rec Area, sandhills, 26 mi SW Valentine, 20-21 Jul 2021, JKA, 2nd location in state

Lacinipolia anguina, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Leuconycta lepidula, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, first for W NE

Loscopia velata, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, first for W NE

Plagiomimicus tepperi, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, very few in state

Polia purpurissata, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Protodeltote albidula, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, **STATE RECORD**

Pseudeua purpurigera, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, not many in state

Schinia chrysellodes, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, possible **STATE RECORD**

Spaelotis clandestina, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, possible **STATE RECORD**

Sympistis stabilis, **Dawes Co.**, Nebraska NF, Cliffs Trailhead area, 16-17 Jul 2021, JKA, possible **STATE RECORD**

Nymphalidae:

Argynnis idalia, **Greeley Co.**, Spring Creek just W of Greeley, 8 Jul 2021, NED
Euptoieta claudia, **Stanton Co.**, 2 mi S of Hoskins, 7 Sep 2021, JLD
Limenitis archippus, **Boone Co.**, Cedar River at Cedar Rapids, 6 Sep 2021, JLD

Papilionidae:

Heraclides cresphontes, **Garfield Co.**, 30 Jul 2021, RM5
Pterourus glaucus, **Greeley Co.**, Scotia Chalk Mine, 4 Jun 2021, NED

Pieridae:

Colias protodice, **Boone Co.**, 10 mi N, 6 mi W of Cedar Rapids, 6 Sep 2021, NED
Colias protodice, **Wayne Co.**, 1.5 mi S, 1 mi W of Hoskins, 7 Sep 2021, NED
Nathalis iole, **Polk Co.**, 8 mi N, 4.5 mi W of Osceola, 19 Sep 2021, NED

Pyralidae:

Adelphia petrella, **Knox Co.**, 5 Jul 2021, MAB, <https://bugguide.net/node/view/2035724>, **STATE RECORD**
Elasmopalpus lignosella, **Dixon Co.**, 21 Aug 2021, MAB, <https://bugguide.net/node/view/2026928>, **STATE RECORD**
Varneria postremella, **Knox Co.**, 23 Jul 2021, MAB, <https://bugguide.net/node/view/2009683>, **STATE RECORD**

Sphingidae:

Amorpha juglandis, **Dakota Co.**, Basswood Ridge SWMA, 9 Jul 2021, MJP
Hyles euphorbiae, **Platte Co.**, 6 mi S of Lindsey, 29 Aug 2021, DM6, larvae

Tortricidae:

Eucosma ornatala, **Knox Co.**, 23 Jun 2021, MAB, <https://bugguide.net/node/view/1989070>, **STATE RECORD**
Eucosma pallidicostana, **Knox Co.**, 6 Jun 2021, MAB, <https://bugguide.net/node/view/1979523>, **STATE RECORD**
Eucosma parmatana, **Knox Co.**, 17 Aug 2021, MAB, <https://bugguide.net/node/view/2024778>, **STATE RECORD**
Gynnidomorpha romonana, **Knox Co.**, 17 Aug 2021, MAB, <https://bugguide.net/node/view/2024789>, **STATE RECORD**
Phtheochroa riscana, **Dixon Co.**, 21 Aug 2021, MAB, <https://bugguide.net/node/view/2026924>, **STATE RECORD**
Sonia paraplesiana, **Knox Co.**, 25 Jul 2021, MAB, <https://bugguide.net/node/view/2009449>, **STATE RECORD**
Sonia vovana, **Knox Co.**, 29 Aug 2021, MAB, <https://bugguide.net/node/view/2031324>, **STATE RECORD**
Thyralia bana, **Knox Co.**, 18 Aug 2021, MAB, <https://bugguide.net/node/view/2024800>, **STATE RECORD**

North Dakota:

Nymphalidae:

Limenitis archippus, **Williams Co.**, Fort Union, River Path Trail, 13 Sep 2021, NDE

Oklahoma:

Geometridae:

Nepytia semiclusaria, **Choctaw Co.**, 904 N 4310 Rd, Sawyer, 9 Apr-11 Jun 2021, AB, verified on iNat by Dan Kluza & Zach Dufran, **STATE RECORD**
Phigalia strigataria, **Choctaw Co.**, 904 N 4310 Rd, Sawyer, 4 Feb-7 Mar 2021, AB

Hesperiidae:

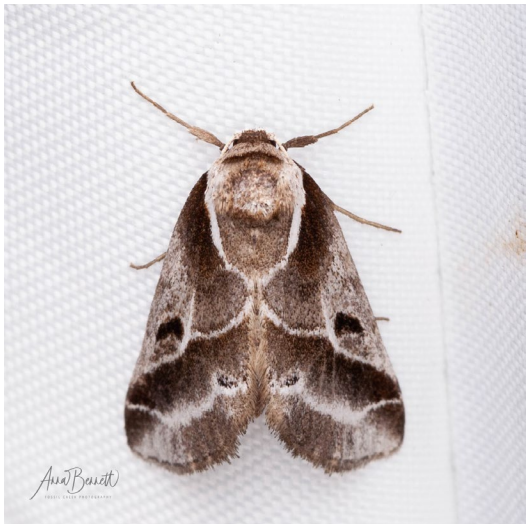
Aguna asander, **Cleveland Co.**, Norman, 28 Jun 2021, OLS, photo by K Goodenough, **STATE RECORD**
Aguna asander, **Sequoyah Co.**, Sequoyah NWR, 31 Aug 2021, OLS, photo on iNat
Amblyscirtes alternata, **Haskell Co.**, James Collins WMA, 13 May 2021, BER, photo
Amblyscirtes alternata, **Lincoln Co.**, Perkins, 19 Aug 2021, OLS, photo by N Sizemore
Amblyscirtes alternata, **Love Co.**, Hickory Creek WMA, 21 Apr 2021, BER, photo
Amblyscirtes carolina, **Sequoyah Co.**, Nicut, Little Lee Creek, 19 Apr 2021, CAI, photo, **STATE RECORD**
Amblyscirtes linda, **Sequoyah Co.**, Nicut, Little Lee Creek, 30 Apr 2016, OLS, photo by J Ivy
Atrytonopsis hianna, **Comanche Co.**, Wichita Mountains NWR, 13 May 2021, OLS, photo by B Baggenstoss
Atrytonopsis hianna, **Ellis Co.**, Packsaddle WMA, 30 May 2021, MW
Calpodus ethlius, **Bryan Co.**, Mead, 4 Aug 2021, OLS, photo by K Kirby-Norris
Calpodus ethlius, **Cleveland Co.**, Norman, 5 Nov 2021, OLS, photo by C Curry
Celotes nessus, **Cimaron Co.**, Tesesquite Creek, 2 Sep 2021, BRC, photo
Erynnis baptisiae, **Tillman Co.**, Hackberry Flats WMA, 29 Sep 2009, JWA, photo
Erynnis funeralis, **Love Co.**, Cross Timbers WMA, 30 Jun 2019, OLS, in copula, photo by E Geest
Erynnis zarucco, **Cherokee Co.**, Cherokee WMA, 22 Jun 2021, JWA, photo of male
Erynnis zarucco, **Comanche Co.**, Wichita Mountains NWR, Doris Campground, 19 Jul 2020, JWA, photo
Euphyes dukesi, **Rogers Co.**, Oologah WMA, Winganon Flats, 27-28 Aug 2021, JWA, photos, small colony
Hesperia metea, **Atoka Co.**, McGee Creek WMA, 4 Apr 2013, BER, photo
Lerema accius, **Adair Co.**, Stilwell, Caney Creek, 29 Sep 2013, CAI, photo
Problema byssus, **Latimer Co.**, Robbers Cave SP, 2 Jul 2021, GLP, photo
Problema byssus, **Pontotoc Co.**, TNC Pontotoc Ridge Preserve, 19 Jun 2021, OLS, photo
Thorybes confusus, **Tulsa Co.**, Jenks, Flycatcher Trail, 14 Aug 2021, JWA, photo
Urbanus proteus, **Stephens Co.**, Clear Creek Lake, N end, 6 Oct 2021, DM5, photo
Vernia verna, **Latimer Co.**, Robbers Cave SP, 2 Jul 2021, GLP, photo



Xerociris wilsonii on 2 Jun 2021.



Manduca jasmineearum on 3 Aug 2021



Baileya doubledayi on 2 Jun 2021.



Archips georgiana on 1 Jun 2021

Anna Bennett provided photos of several interesting moths that she found in Oklahoma. All were taken at 904 N 4310 Rd., Sawyer, OK in Choctaw County. The records are on these two pages

Lycaenidae:

- Brephidium exilis*, **Payne Co.**, Stillwater, 8 Nov 2021, OLS, photo by E Geest
- Callophrys gryneus gryneus*, **Adair Co.**, Stilwell, 3 mi W, 3 Apr 2021, CAI, photo
- Callophrys niphon*, **Adair Co.**, TNC Nickel Preserve, Sawmill Hollow Rd @ county line, 11 Apr 2021, JP2, photo
- Calycopis cecrops*, **Logan Co.**, Guthrie, 4 Sep 2021, OLS, photo by D Nash
- Calycopis cecrops*, **Stephens Co.**, Clear Creek Lake, N end, 2 Sep 2021, DM5, photo
- Feniseca tarquinius*, **Okmulgee Co.**, Henryetta, 17 Sep 2021, CSL, photo
- Leptotes marina*, **Garfield Co.**, Government Springs Park, 3 Jul 2021, OLS, photo by B Dobbins
- Leptotes marina*, **Major Co.**, Gloss Mountains SP, 8 Sep 2018, OLS, photo by E Geest
- Satyrium calanus*, **Bryan Co.**, Mead, 28 May 2021, OLS, photo by K Kirby-Norris
- Satyrium favonius ontario*, **Ellis Co.**, Packsaddle WMA, 30 May 2021, MW

Noctuidae:

- Xerociris wilsonii*, **Choctaw Co.**, 904 N 4310 Rd, Sawyer, 2 Jun 2021, AB, verified on iNat by Zach Dufran

Nolidae:

- Baileya doubledayi*, **Choctaw Co.**, 904 N 4310 Rd, Sawyer, 2 Jun 2021, AB, verified on iNat by Zach Dufran, farthest W sighting

Nymphalidae:

- Argynnis diana*, **Haskell Co.**, Lequire, 7 Jun 2021, OLS, photo by J Jones

Chlosyne nycteis, **Major Co.**, Ringwood SE, 25 May 2021, OLS, photo by BN DeShazer Fielder
Chlosyne nycteis, **Pottawatomie Co.**, McCloud, 4 Jul 2021, OLS, photo by TL Akers
Danaus gilippus, **Bryan Co.**, Calera, 28 Aug 2021, OLS, photo by W Lloyd
Dryadula phaetusa, **Grady Co.**, Bridge Creek, 10 Oct 2021, OLS, photo by DA Baker, **STATE RECORD**
Limenitis arthemis astyanax, **Major Co.**, Ringwood SE, 8 Jul 2021, OLS, photo by BN DeShazer Fielder
Polygonia comma, **Atoka Co.**, Lane, 18 Oct 2021, OLS, photo by MM McCleary
Polygonia comma, **Nowata Co.**, Nowata, 1 Jul 2021, OLS, photo by B Seiber

Papilionidae:

Battus philenor, **Logan Co.**, Edmond, 17 Aug 2020, OLS, photo by T Sims
Battus philenor, **McClain Co.**, Newcastle, 1 Sep 2021, OLS, photo by C Phillips
Eurytides marcellus, **Creek Co.**, Tulsa, 15 Aug 2020, OLS, photo by P Roberts
Heraclides cresphontes, **Dewey Co.**, Selling, 4 May 2020, OLS, photo on iNat
Heraclides cresphontes, **Grady Co.**, Amber, 1 Sep 2021, OLS, photo by BM Imel
Heraclides cresphontes, **Haskell Co.**, Lequire, 9 Aug 2019, OLS, photo by J Jones
Heraclides cresphontes, **Major Co.**, Ringwood SE, 4-13 Oct 2021, OLS, larva, photo by BN DeShazer Fielder
Pterourus glaucus, **Stephens Co.**, Clear Creek Lake, N end, 30 Jun 2021, DM5, photo
Pterourus troilus, **Jefferson Co.**, Waurika, 14 Jul 2021, OLS, photo by S Marie

Pieridae:

Euchloe olympia, **Stephens Co.**, Clear Creek Lake, N end, 11 Apr 2021, DM5, photo
Phoebis agarithe, **Stephens Co.**, Clear Creek Lake, N end, 4 Jul 2021, DM5, photo
Pieris rapae, **Wagoner Co.**, Ft. Gibson Lake, Jackson Bay, 13 Mar 2021, OLS, photo by L Kiddie
Pyrisitia proterpia, **Comanche Co.**, Wichita Mountains NWR, 30 Nov 2021, OLS, photo by B Baggenstoss
Pyrisitia proterpia, **Logan Co.**, Edmond north, 30 Nov 2021, OLS, photo by T Sims
Pyrisitia proterpia, **Stephens Co.**, Clear Creek Lake, N end, 13 Oct-30 Nov 2021, DM5, photo

Sphingidae:

Manduca jasminearum, **Choctaw Co.**, 904 N 4310 Rd, Sawyer, 3-4 Aug 2021, AB, verified by John Fisher; on iNat by S. Tomlins, **STATE RECORD**

Tortricidae:

Archips georgiana, **Choctaw Co.**, 904 N 4310 Rd, Sawyer, 1-3 Jun 2021, AB, verified on iNat by Jason Dombroskie, **STATE RECORD**

South Dakota:

Noctuidae:

Anaplectoides prasina, **Lawrence Co.**, Black Hills, Terry Peak Rd, 18-19 Jul 2021, A/G, **STATE RECORD**
Autographa bimaculata, **Lawrence Co.**, Black Hills, Terry Peak Rd, 18-19 Jul 2021, A/G, **STATE RECORD**
Oligia tonsa, **Lawrence Co.**, Black Hills, Terry Peak Rd, 18-19 Jul 2021, A/G, **STATE RECORD**
Syngrapha viridisigma, **Lawrence Co.**, Black Hills, Terry Peak Rd, 18-19 Jul 2021, A/G, **STATE RECORD**

Notodontidae:

Furcula occidentalis, **Lawrence Co.**, Black Hills, Terry Peak Rd, 18-19 Jul 2021, A/G, possible **STATE RECORD**

Zone 6: Texas

Coordinator: Stuart Marcus

Contributors: David G. Barker (DGB), Chrisman Bonnell (CB), Jack Cochran (JC3), Mike Farley (MF2), Brent Franklin (BF), Ann Hendrickson (AHX), Sam Kieschnick (SK), Monica M. Krancevic (MMK), Annika Lindqvist (AL3), Missy McAllister-Kerr (MIM), Stuart Marcus (SM3), Alexander Mohn (AM2), Stephen Peterson (SP2), Jim Pike (JP6), Mike Quinn (MAQ), Chuck Sexton (CSX), William Taft, Jr. (WTJ), Lena Zappia (LZ)

No written summary was provided.

RECORDS:

Apatelodidae:

Oleclostera seraphica, Val Verde Co, East Blue Sage, Devils River, 14 Mar 2017, DGB, <https://www.inaturalist.org/observations/5678820>

Argyresthiidae:

Argyresthia austerella, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184328>
Argyresthia austerella, **Smith Co**, Tyler State Park, 26 Apr 2021, AL3

Autostichidae:

Gerdana caritella, **Williamson Co**, New House of Jack, 24 Nov 2021, JC3, <https://www.inaturalist.org/observations/101889799>, added to Knudson list

Taygete gallaegenitella, **Smith Co**, Tyler State Park, 16 Aug 2021, AL3

Batrachedridae:

Batrachedra concitata, Val Verde Co, East Blue Sage, Devils River, 6 Jan 2018, DGB
Batrachedra enormis, Val Verde Co, East Blue Sage, Devils River, 30 Dec 2017, DGB, <https://www.inaturalist.org/observations/54883811>

Blastobasidae:

Calosima dianella, **Liberty Co**, Trinity River NWR, 15 Aug 2020, SM3, Aaron Hunt just ID'd in Dec 2021
<https://www.inaturalist.org/observations/57182712>, **STATE RECORD**
Hypatopa punctiferella, **Liberty Co**, Trinity River NWR, 12 Mar 2021, SM3, <https://www.inaturalist.org/observations/71838582>

Bucculatricidae:

Bucculatrix ambrosiaefoliae, Dallas Co, Lochwood Neighborhood, 4 Dec 2021, AL3
Bucculatrix angustata, Dallas Co, Lochwood Neighborhood, 27 Dec 2021, AL3
Bucculatrix angustata, Williamson Co, New House of Jack, 16 Aug 2021, JC3
Bucculatrix coronatella, Dallas Co, Lochwood Neighborhood, 17 Jul-26 Aug 2021, AL3
Bucculatrix longula, Williamson Co, New House of Jack, 30 May 2021, JC3, added to Knudson list
Bucculatrix magnella, **Hamilton Co**, FM 2005, 15-21 May 2021, MIM, <https://www.inaturalist.org/observations/79037999>

Carposinidae:

Carposina ottawana, Dallas Co, Lochwood Neighborhood, 17 Sep 2021, AL3
Carposina simulator, Williamson Co, New House of Jack, 23 Oct-3 Dec 2021, JC3

Coleophoridae:

Coleophora laticomella, Dallas Co, Lochwood Neighborhood, 9 Jun 2021, AL3, needs confirmation, not on Knudson list
Coleophora laticomella, Denton Co, Ben Jones Nature Center, 4 Sep 2021, AL3, needs confirmation, not on Knudson list
Coleophora quadruplex, Denton Co, LLELA Nature Preserve, 9 Sep 2021, AL3, needs confirmation, not on Knudson list

Copromorphidae:

Ellabella editha, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184454>
Ellabella editha, **Hamilton Co**, FM 2005, 20-26 Mar 2021, MIM, <https://www.inaturalist.org/observations/71730051>
Ellabella editha, **Williamson Co**, New House of Jack, 21 Mar 2021, JC3, <https://www.inaturalist.org/observations/71800345>

Cosmopterigidae:

Cosmopterix quadrilineella, **Hamilton Co**, FM 2005, 28 Jun 2021, MIM, <https://www.inaturalist.org/observations/89132382>
Cosmopterix sp., **Hamilton Co**, FM 2005, 28 Jun 2021, MIM, <https://www.inaturalist.org/observations/79944761>
Eralea albalineella, Dallas Co, Lochwood Neighborhood, 12-14 Sep 2021, AL3
Euclementia bassettella, **Williamson Co**, New House of Jack, 13-25 Aug 2021, JC3, <https://www.inaturalist.org/observations/91068761>
Limnaecia phragmitella, **Williamson Co**, New House of Jack, 7 Sep-24 Oct 2021, JC3, <https://www.inaturalist.org/observations/94178736>
Triclonea determinatella, **Hamilton Co**, FM 2005, 28 Jun 2021, MIM, <https://www.inaturalist.org/observations/93507747>

Cossidae:

Fania nanus, Dallas Co, Spring Creek Forest Preserve, 17 Jul 2021, AL3
Givira arbeloides, Val Verde Co, East Blue Sage, Devils River, 4 Apr 2017, DGB
Givira arbeloides, Williamson Co, New House of Jack, 18 Jun 2021, JC3
Givira lucretia, Val Verde Co, East Blue Sage, Devils River, 24 Jun 2017, DGB
Givira theodori, **Hamilton Co**, FM 2005, 26 Jun-4 Jul 2021, MIM, <https://www.inaturalist.org/observations/84809452>

Crambidae:

Abegesta reluctalis, Val Verde Co, East Blue Sage, Devils River, 28 Aug 2017, DGB
Abegesta remellalis, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, SM3, observation by k8thegr8,
<https://www.inaturalist.org/observations/92444341>
Abegesta remellalis, Val Verde Co, East Blue Sage, Devils River, 13 Mar 2020, DGB, added to Knudson list
Bicilia iarchasalis, **Brazoria Co**, Lake Jackson, 19 Oct 2021, MMK, 7.5mm fwl, very worn
Blepharomastix haedulalis, Val Verde Co, East Blue Sage, Devils River, 26 Oct 2016, DGB
Chalcoela iphitalis, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92325699>
Conchylodes concinnalis, Rusk Co, CR 216, 18 Jun 2018 & 8 Jul 2021, J Pike, <https://www.inaturalist.org/observations/40271851>
Conchylodes concinnalis, Williamson Co, New House of Jack, 25 Aug 2021, JC3
Conchylodes octonalis, Val Verde Co, East Blue Sage, Devils River, 30 Aug 2017, DGB, added to Knudson list
Condylorrhiza vestigialis, **Hamilton Co**, FM 2005, 2-12 Sep 2021, MIM, <https://www.inaturalist.org/observations/93507717>
Diasemiopsis leodocusalis, **Williamson Co**, New House of Jack, 12 Sep 2021, JC3, <https://www.inaturalist.org/observations/94713037>
Diastictis fracturalis, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, BF, <https://www.inaturalist.org/observations/93224333>
Diastictis robustior, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85211648>
Diastictis ventralis, **Williamson Co**, New House of Jack, 15 Jul-21 Sep 2021, JC3, <https://www.inaturalist.org/observations/87140539>
Diathrausta harlequinialis, Val Verde Co, East Blue Sage, Devils River, 22 Oct 2017, DGB
Euchromius ocella, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184459>
Eurhyarodes lygdamis, Val Verde Co, East Blue Sage, Devils River, 18 Sep 2020, DGB
Evergestis vinctalis, **Hamilton Co**, FM 2005, 9 Apr 2021, MIM, <https://www.inaturalist.org/observations/73508212>
Hahncappsia mancalis, Val Verde Co, East Blue Sage, Devils River, 27 May 2021, DGB
Hahncappsia pergivalis, Val Verde Co, East Blue Sage, Devils River, 30 Aug 2020, DGB
Hahncappsia ramsdenalis, **Edwards Co**, 1.3 mi NW of Camp Wood, 20 Apr 2016 & 19 Jun 2018, AHX, BOLD ID TXLEP301-16 & TXLEP626-18, discovered when dissecting and reviewing records this year
Hellula phidilealis, **Williamson Co**, New House of Jack, 5 Dec 2021, JC3, <https://www.inaturalist.org/observations/102611151>
Helvibotys pucilla, **Liberty Co**, Trinity River NWR, 3 Jul 2019, SM3, <https://www.inaturalist.org/observations/83704989>
Lineodes interrupta, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, MF2, <https://www.inaturalist.org/observations/92302332>
Lipocosma polingi, Smith Co, Tyler State Park, 7 Sep 2021, AL3

Loxostege cerealis, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85211660>
Loxostegopsis xanthocrypta, Val Verde Co, East Blue Sage, Devils River, 17 Dec 2021, DGB,
<https://www.inaturalist.org/observations/103353303>
Microcrambus croesus, Hamilton Co, FM 2005, 22 Oct 2021, MIM, <https://www.inaturalist.org/observations/99103746>
Microcrambus croesus, Val Verde Co, East Blue Sage, Devils River, 9 Apr 2019, DGB
Microcrambus croesus, Williamson Co, New House of Jack, 6 Oct 2021, JC3
Microcrambus elegans, **Hamilton Co**, FM 2005, 5 Jun 2021, MIM, <https://www.inaturalist.org/observations/81805843>
Mimorista subcostalis, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213523>
Mimorista trimaculalis, **Hamilton Co**, FM 2005, 3 Jul & 26 Sep 2021, MIM, <https://www.inaturalist.org/observations/85691869>
Mimoschinia rufascialis, **Williamson Co**, New House of Jack, 7 Apr & 29 Jul 2021, JC3,
<https://www.inaturalist.org/observations/73200101>
Neohelviobotys neohelvalis, Val Verde Co, East Blue Sage, Devils River, 12 Jun 2020, DGB
Nephrogramma reniculalis, Denton Co, LLELA Nature Preserve, 18 Sep 2021, AL3
Oenobotys texanalis, Hamilton Co, FM 2005, 2 Sep & 30 Dec 2021, MIM, <https://www.inaturalist.org/observations/93507789>
Oenobotys texanalis, Williamson Co, New House of Jack, 31 Aug & 4 Dec 2021, JC3
Parapediasia hulstellus, **Hamilton Co**, FM 2005, 26 Oct 2021, MIM, <https://www.inaturalist.org/observations/99553547>
Parapoynx diminutalis, Williamson Co, New House of Jack, 3 Aug 2021, JC3
Parapoynx maculalis, **Liberty Co**, Trinity River NWR, 13 Mar 2021, SM3, <https://www.inaturalist.org/observations/71675358>
Perispasta caeculalis, **Hamilton Co**, FM 2005, 27 Aug 2021, MIM, <https://www.inaturalist.org/observations/92854033>
Perispasta caeculalis, **Williamson Co**, New House of Jack, 25 Sep 2021, JC3, <https://www.inaturalist.org/observations/96264996>
Petrophila bifascialis, **Hamilton Co**, FM 2005, 3 Jul-17 Aug 2021, MIM, <https://www.inaturalist.org/observations/85691866>
Petrophila daemonalis, Val Verde Co, East Blue Sage, Devils River, 30 Aug 2017, DGB
Petrophila fulcalis, **Coke Co**, Rough Creek Park, 17 Jun 2021, CSX, <https://www.inaturalist.org/observations/88183146>
Petrophila heppneri, Val Verde Co, East Blue Sage, Devils River, 15 Mar 2017, DGB
Petrophila jaliscalis, **Hamilton Co**, FM 2005, 30 Jul-27 Aug 2021, MIM, <https://www.inaturalist.org/observations/89244480>
Platytes vobisne, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213527>
Psara dryalis, **Hamilton Co**, FM 2005, 3 Dec 2021, MIM, <https://www.inaturalist.org/observations/102472763>
Pseudopyrausta santatalis, Val Verde Co, East Blue Sage, Devils River, 16 Aug 2017, DGB
Pseudoschinia elautalis, Val Verde Co, East Blue Sage, Devils River, 4 Apr 2017, DGB
Pyrausta napaealis, Val Verde Co, East Blue Sage, Devils River, 14 Jul 2018, DGB
Pyrausta nexalis, Val Verde Co, East Blue Sage, Devils River, 23 Oct 2017, DGB
Pyrausta onythesalis, Denton Co, LLELA Nature Preserve, 15 May 2021, AL3
Pyrausta signatalis, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85214714>
Pyrausta signatalis, **Liberty Co**, Trinity River NWR, 13 Aug 2021, SM3, <https://www.inaturalist.org/observations/91173756>
Pyrausta signatalis, **Williamson Co**, New House of Jack, 24 Apr 2021, JC3, <https://www.inaturalist.org/observations/75139833>
Pyrausta subsequalis, **Moore Co**, Lake Meredith, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/99511392>
Pyrausta tatalis, Val Verde Co, East Blue Sage, Devils River, 22 Nov 2017, DGB
Pyrausta tyralis, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, BF, <https://www.inaturalist.org/observations/93224335>
Pyrausta volupialis, **Liberty Co**, Trinity River NWR, 29 Oct 2021, SM3, <https://www.inaturalist.org/observations/99837757>
Saucrobotys futilalis, **Williamson Co**, New House of Jack, 15-19 Sep 2021, JC3, <https://www.inaturalist.org/observations/94983543>
Steniodes declivalis, **Williamson Co**, New House of Jack, 19 Jul & 5 Oct 2021, JC3, <https://www.inaturalist.org/observations/87850565>
Syngamia florella, **Williamson Co**, New House of Jack, 13 Sep 2021, JC3, <https://www.inaturalist.org/observations/94715301>
Terastia meticulosalis, **Liberty Co**, Trinity River NWR, 31 Jul 2021, SM3, <https://www.inaturalist.org/observations/89385135>
Usingeriessa sp., Dallas Co, Ten Mile Preserve, 13 Aug 2021, AL3
Xubida sp., **Williamson Co**, New House of Jack, 28 Jul 2021, JC3, <https://www.inaturalist.org/observations/89076332>

Depressariidae:

Antaeotricha humilis, **Williamson Co**, New House of Jack, 24 Aug 2021, JC3, <https://www.inaturalist.org/observations/92592698>
Durrantia piperatella, **Williamson Co**, New House of Jack, 7 Apr & 20 Aug 2021, JC3, <https://www.inaturalist.org/observations/73298647>
Ethmia angustalatella, Val Verde Co, East Blue Sage, Devils River, 6 Apr 2018, DGB
Ethmia apicipunctella, Hamilton Co, FM 2005, 3-22 Apr 2021, MIM, <https://www.inaturalist.org/observations/72908088>
Ethmia bittenella, **Edwards Co**, 1.3 mi NW of Camp Wood, 10-20 Apr 2020, AHX, My visual ID,
https://www.inaturalist.org/observations?page=2&place_id=18&subview=map&taxon_id=546716
Ethmia delliella, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2020, DGB
Ethmia delliella, Williamson Co, New House of Jack, 12 Jul 2021, JC3
Ethmia hagenella, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184457>
Ethmia longimaculella, Val Verde Co, East Blue Sage, Devils River, 18 Dec 2017, DGB
Ethmia mimihagenella, Val Verde Co, East Blue Sage, Devils River, 9 Feb 2018, DGB
Ethmia mirusella, Hamilton Co, FM 2005, 3 Apr & 19 Aug 2021, MIM, <https://www.inaturalist.org/observations/72908008>
Ethmia prattiella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92430980>
Ethmia semilugens, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184456>
Ethmia trifurcella, Val Verde Co, East Blue Sage, Devils River, 16 Aug 2017, DGB
Ethmia zelleriella, Williamson Co, New House of Jack, 17 Mar & 4 Oct 2021, JC3
Menesta melanella, Rusk Co, CR 216, 2 Jul 2020, J Pike, <https://www.inaturalist.org/observations/51763489>
Psilocorsis cryptolechiella, **Liberty Co**, Trinity River NWR, 10 Apr 2021, SM3, <https://www.inaturalist.org/observations/74008991>
Psilocorsis quercicella, **Liberty Co**, Trinity River NWR, 8 May 2020 & 12 Mar 2021, SM3,
<https://www.inaturalist.org/observations/45417248>

Pyramidobela agyrtodes, **Edwards Co**, 1.3 mi NW of Camp Wood, 24 Mar 2019, AHX, My visual ID, see Bugguide

Elachistidae:

Elachista brachyelytrifoliella, Smith Co, Tyler State Park, 16 Nov 2021, AL3

Elachista illectella, Dallas Co, Lochwood Neighborhood, 19 May 2021, AL3

Elachista illectella, **Liberty Co**, Trinity River NWR, 4 Feb 2021, SM3, <https://www.inaturalist.org/observations/69180562>

Haplochrois bipunctella, Dallas Co, Lochwood Neighborhood, 9 Jun 2021, AL3

Haplochrois bipunctella, Denton Co, Ben Jones Nature Center, 4-18 Sep 2021, AL3

Haplochrois bipunctella, Hood Co, Acton Nature Center, 25 Jul 2021, AL3

Haplochrois bipunctella, **Williamson Co**, New House of Jack, 13 Aug-27 Sep 2021, JC3, <https://www.inaturalist.org/observations/91170282>

Epipyropidae:

Fulgoraacia exigua, Rusk Co, CR 216, 7 Aug 2021, J Pike, <https://www.inaturalist.org/observations/90354515>

Erebidae:

Apantesis incorrupta, Val Verde Co, East Blue Sage, Devils River, 18 Dec 2017, DGB

Apantesis parthenice, **Hamilton Co**, FM 2005, 14 Oct 2021, MIM, <https://www.inaturalist.org/observations/98300781>, added to Knudson list

Argyrostromis anilis, **Liberty Co**, Trinity River NWR, 29 Aug 2021, SM3, <https://www.inaturalist.org/observations/92926939>

Bleptina flaviguttalis, **Edwards Co**, 1.3 mi NW of Camp Wood, 23 Nov 2021, AHX, My visual ID

Bleptina minimalis, Val Verde Co, East Blue Sage, Devils River, 12 Sep 2017, DGB

Catocala coccinata, **Williamson Co**, New House of Jack, 10 May-7 Jun 2021, JC3, <https://www.inaturalist.org/observations/78463368>

Catocala connubialis, **Hamilton Co**, FM 2005, 15 May 2021, MIM, <https://www.inaturalist.org/observations/79038028>

Catocala connubialis, **Liberty Co**, Trinity River NWR, 21 May 2021, SM3, <https://www.inaturalist.org/observations/79880927>

Catocala delilah, **Williamson Co**, New House of Jack, 28 May 2021, JC3, <https://www.inaturalist.org/observations/80659513>

Catocala desdemona, Parker Co, Lake Mineral Wells State Park, 6 Jun 2021, AL3

Catocala desdemona, Val Verde Co, East Blue Sage, Devils River, 8 May 2018, DGB

Catocala frederici, Val Verde Co, East Blue Sage, Devils River, 9 May 2020, DGB

Catocala grynea, **Liberty Co**, CR 640, 9 May 2021, CB, <https://www.inaturalist.org/observations/78179405>

Catocala ilia, **Liberty Co**, Trinity River NWR, 2 Jul 2021, SM3, <https://www.inaturalist.org/observations/85539700>

Catocala similis, **Williamson Co**, New House of Jack, 27 May-2 Jun 2021, JC3, <https://www.inaturalist.org/observations/80652154>

Catocala verrilliana, Val Verde Co, East Blue Sage, Devils River, 28 Apr 2017, DGB

Cissusa mucronata, Val Verde Co, East Blue Sage, Devils River, 4 Oct 2018, DGB

Cissusa valens, Val Verde Co, East Blue Sage, Devils River, 27 Jan 2018, DGB

Cisthene angelus, Val Verde Co, East Blue Sage, Devils River, 22 Jun 2017, DGB

Cisthene barnesii, Val Verde Co, East Blue Sage, Devils River, 5 May 2021, DGB

Cisthene picta, Denton Co, LLELA Nature Preserve, 9 Sep 2021, AL3

Cisthene picta, **Hamilton Co**, FM 2005, 2 May 2021, MIM, <https://www.inaturalist.org/observations/77197078>

Crambidia myrlosea, **Hamilton Co**, FM 2005, 29 Oct-13 Nov 2021, MIM, <https://www.inaturalist.org/observations/99806593>

Dasychira meridionalis, **Hamilton Co**, FM 2005, 14 Sep 2021, MIM, <https://www.inaturalist.org/observations/94971543>

Dinumma deponens, **Smith Co**, Tyler State Park, 16 Aug 2021, AL3, **STATE RECORD**, <https://www.inaturalist.org/observations/101683223>, added to Knudson list

Drasteria fumosa, Val Verde Co, East Blue Sage, Devils River, 14 Aug 2018, DGB

Drasteria inepta, Val Verde Co, East Blue Sage, Devils River, 10 Feb 2018, DGB

Drasteria pallescens, Brown Co, Lake Brownwood State Park, 19 Apr 2021, AL3

Drasteria pallescens, Val Verde Co, East Blue Sage, Devils River, 24 Feb 2017, DGB

Ectypia bivittata, Val Verde Co, East Blue Sage, Devils River, 18 Apr 2017, DGB

Euchaetes bolteri, **Williamson Co**, New House of Jack, 8 Sep 2021, JC3, <https://www.inaturalist.org/observations/94240622>

Euchaetes zella, Val Verde Co, East Blue Sage, Devils River, 12 Apr 2017, DGB

Eulepidotis persimilis, Brazoria Co, Lake Jackson, 15 Nov 2021, MMK, 16mm fwl, worn, only sighting this year

Forsebia cinis, Val Verde Co, East Blue Sage, Devils River, 28 Mar 2017, DGB

Goniapteryx servia, **Brazoria Co**, Lake Jackson, 17 Jun 2021, MMK, 17mm fwl, fresh

Goniapteryx servia, **Williamson Co**, New House of Jack, 23 Jun 2021, JC3

Halysidota harrisii, Val Verde Co, East Blue Sage, Devils River, 28 Mar 2017, DGB

Hemeroplanis habitalis, **Williamson Co**, New House of Jack, 27 Aug 2021, JC3, <https://www.inaturalist.org/observations/92689161>

Hemeroplanis parallela, Val Verde Co, East Blue Sage, Devils River, 6 May 2017, DGB

Hemeroplanis rectalis, Val Verde Co, East Blue Sage, Devils River, 17 May 2017, DGB

Horama panthalon, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, BF, <https://www.inaturalist.org/observations/93224326>

Hypernula cacuminalis, **Mitchell Co**, Colorado City, 20 Aug 2021, AL3, <https://www.inaturalist.org/observations/92617996>

Hypercompe oslari, Val Verde Co, East Blue Sage, Devils River, 28 Mar 2017, DGB

Isogona texana, Val Verde Co, East Blue Sage, Devils River, 16 Aug 2017, DGB

Lophocampa annulosa, **Liberty Co**, CR 640, 9 Mar 2021, CB, <https://www.inaturalist.org/observations/70884073>

Lycomorpha pholus, **Hamilton Co**, FM 2005, 15 Sep 2021, MIM, <https://www.inaturalist.org/observations/95002928>

Lycomorpha splendens, Val Verde Co, East Blue Sage, Devils River, 3 Apr 2017, DGB

Macrochilo louisiana, **Liberty Co**, Trinity River NWR, 27 May & 15 Aug 2021, SM3, <https://www.inaturalist.org/observations/80822077>

Matigramma emmilla, Val Verde Co, East Blue Sage, Devils River, 18 Jun 2017, DGB

Matigramma inopinata, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2017, DGB

Matigramma obscurior, Val Verde Co, East Blue Sage, Devils River, 1 May 2018, DGB

Matigramma rubrosuffusa, Val Verde Co, East Blue Sage, Devils River, 17 Aug 2017, DGB

Melipotis acantioides, **Hamilton Co**, FM 2005, 2 Sep 2021, MIM, <https://www.inaturalist.org/observations/93507524>
Melipotis acantioides, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, MS3, observation by k8thegr8,
<https://www.inaturalist.org/observations/92445405>
Melipotis jucunda, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, JC3, <https://www.inaturalist.org/observations/92366707>
Metalectra edilis, Val Verde Co, East Blue Sage, Devils River, 29 Aug 2017, DGB
Mimophisma delunaris, Val Verde Co, East Blue Sage, Devils River, 6 Oct 2018, DGB
Phoberia atomaris, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184872>
Phytometra orgiae, **Williamson Co**, New House of Jack, 14 May & 4 Aug 2021, JC3, <https://www.inaturalist.org/observations/78826823>
Pseudorgia versuta, Val Verde Co, East Blue Sage, Devils River, 7 May 2017, DGB
Pygarctia flavidorsalis, Val Verde Co, East Blue Sage, Devils River, 7 Sep 2017, DGB
Pygarctia roseicapitis, Val Verde Co, East Blue Sage, Devils River, 13 Sep 2017, DGB
Syntomeida melanthus, Val Verde Co, East Blue Sage, Devils River, 16 Oct 2017, DGB
Toxonprucha crudelis, **Williamson Co**, New House of Jack, 27 Jun-29 Jul 2021, JC3, <https://www.inaturalist.org/observations/84724667>
Toxonprucha excavata, **Liberty Co**, Trinity River NWR, 21 May 2021, SM3, <https://www.inaturalist.org/observations/79880934>
Toxonprucha pardalis, Val Verde Co, East Blue Sage, Devils River, 23 Oct 2017, DGB
Toxonprucha psegmapteryx, Val Verde Co, East Blue Sage, Devils River, 3 May 2021, DGB
Toxonprucha scitior, **Val Verde Co**, East Blue Sage, Devils River, 12 Sep 2017, DGB, <https://www.inaturalist.org/observations/93434942>,

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Toxonprucha volucris, Val Verde Co, East Blue Sage, Devils River, 28 Apr 2017, DGB
Virbia aurantiaca, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73185224>
Zale colorado, Val Verde Co, East Blue Sage, Devils River, 14 Feb 2018, DGB
Zale strigimacula, Val Verde Co, East Blue Sage, Devils River, 1 Nov 2018, DGB
Zale temina, Val Verde Co, East Blue Sage, Devils River, 23 Mar 2017, DGB
Zanclognatha atrilineella, **Liberty Co**, Trinity River NWR, 30 Apr 2021, SM3, <https://www.inaturalist.org/observations/76394321>
Zanclognatha obscuripennis, **Liberty Co**, Trinity River NWR, 31 May 2021, SM3, <https://www.inaturalist.org/observations/81076482>
Zanclognatha theralis complex, **Liberty Co**, Trinity River NWR, 6 Apr 2015 & 20 Mar 2017, SM3,
<https://www.inaturalist.org/observations/74284925>

Euteliidae:

Eutelia furcata, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2020, DGB
Marathyssa inficita, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213516>
Marathyssa inficita, **Williamson Co**, New House of Jack, 30 Jul-26 Aug 2021, JC3, <https://www.inaturalist.org/observations/89236287>

Gelechiidae:

Anacampsis comparanda, Dallas Co, Spring Creek Forest Preserve, 17 Jul-12 Oct 2021, AL3
Anacampsis conclusella, **Williamson Co**, New House of Jack, 17 Sep 2021, JC3, <https://www.inaturalist.org/observations/95165614>
Aproaerema nigrella, **Dallas Co**, Lochwood Neighborhood, 5 Dec 2021, AL3, added to Knudson list
Aristotelia elegantella, **Liberty Co**, Trinity River NWR, 8 Nov 2021, SM3, <https://www.inaturalist.org/observations/100870989>
Aroga epigaeella, Anderson Co, Gus Engeling WMA, 2 Oct 2021, AL3, added to Knudson list
Battaristis nigratomella, Hamilton Co, FM 2005, 14-24 May 2021, MIM, <https://www.inaturalist.org/observations/72028107>, added to Knudson list
Bryotropha possibly *branella*, Val Verde Co, East Blue Sage, Devils River, 29 Aug 2020, DGB,
<https://www.inaturalist.org/observations/58640950>, possible **STATE RECORD**
Chionodes mariona, Williamson Co, New House of Jack, 17-20 Sep 2021, JC3
Chionodes phalacra, Val Verde Co, East Blue Sage, Devils River, 9 Feb 2018, DGB
Chionodes trichostola, Hamilton Co, FM 2005, 30 Dec 2021, MIM, <https://www.inaturalist.org/observations/104050115>
Deltophora glandiferella, **Liberty Co**, Trinity River NWR, 29 Oct 2021, SM3, <https://www.inaturalist.org/observations/99837750>
Dichomeris inserrata, **Liberty Co**, Trinity River NWR, 3 Sep 2021, SM3, <https://www.inaturalist.org/observations/93895960>
Dichomeris setosella, **Hamilton Co**, FM 2005, 3 Apr & 16 Aug 2021, MIM, <https://www.inaturalist.org/observations/72907997>
Dichomeris setosella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92360422>
Eudactylota iobapta, Val Verde Co, East Blue Sage, Devils River, 21 Apr 2019, DGB
Faculta inaequalis, Val Verde Co, East Blue Sage, Devils River, 5 Sep 2018, DGB
Filatima nigripectus, **Val Verde Co**, East Blue Sage, Devils River, 10 Feb 2018, DGB, <https://www.inaturalist.org/observations/10000766>,

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Filatima striatella, Val Verde Co, East Blue Sage, Devils River, 4 Jan 2018, DGB
Friseria cockerelli, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, Lena Zappia, <https://www.inaturalist.org/observations/92403884>
Gelechia bianulella, Val Verde Co, East Blue Sage, Devils River, 27 Jan 2018, DGB
Gnorimoschema saphirinella, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85211653>
Gnorimoschema saphirinella, **Williamson Co**, New House of Jack, 26 Dec 2021, JC3, <https://www.inaturalist.org/observations/103762291>
Helcystogramma melantherella, **Liberty Co**, Trinity River NWR, 12 Mar 2021, SM3, <https://www.inaturalist.org/observations/71838577>
Neodactylota liguritrix, **Williamson Co**, New House of Jack, 23 Apr & 16 Dec 2021, JC3,
<https://www.inaturalist.org/observations/74982789>
Polyhymno acaciella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92360425>
Pseudotelphusa palliderosacella, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73185216>
Sophronia roseicrinella, Val Verde Co, East Blue Sage, Devils River, 6 Sep 2020, DGB

Geometridae:

Acanthotoca graefi, Val Verde Co, East Blue Sage, Devils River, 25 May 2018, DGB
Acobara multilineata, Val Verde Co, East Blue Sage, Devils River, 25 Feb 2017, DGB

Archirhoe neomexicana, Val Verde Co, East Blue Sage, Devils River, 7 Nov 2017, DGB
Archirhoe neomexicana, **Williamson Co**, New House of Jack, 19 Apr & 17 Dec 2021, MIM,
<https://www.inaturalist.org/observations/73307709>
Caripeta triangulata, Val Verde Co, East Blue Sage, Devils River, 9 Feb 2018, DGB
Chloraspilates minima, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92415982>
Chlorochlamys phyllinaria, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85210447>
Chlorochlamys phyllinaria, **Williamson Co**, New House of Jack, 30 Jul & 18 Sep 2021, JC3
Digrammia gnophosaria, **Hamilton Co**, FM 2005, 17-28 Jul 2021, MIM, <https://www.inaturalist.org/observations/71150436>
Digrammia pallidata, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184451>
Digrammia pallorata, **Hamilton Co**, FM 2005, 27 Mar & 3 Dec 2021, MIM, <https://www.inaturalist.org/observations/72417094>
Digrammia pictipennata, Val Verde Co, East Blue Sage, Devils River, 3 Jul 2018, DGB
Digrammia triviata, Val Verde Co, East Blue Sage, Devils River, 7 Mar 2018, DGB
Epimecis hortaria, **Liberty Co**, Trinity River NWR, 7 May 2021, SM3, <https://www.inaturalist.org/observations/78237736>
Erannis tiliaria, **Hamilton Co**, FM 2005, 29-31 Dec 2021, MIM, <https://www.inaturalist.org/observations/103969006>
Erastria cruentaria, **Kaufman Co**, Forney, 21 May 2021, CSX, <https://www.inaturalist.org/observations/79968585>
Erastria decrepitaria, Val Verde Co, East Blue Sage, Devils River, 16 Oct 2017, DGB
Euacidalia brownsvillea, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2017, DGB
Euacidalia brownsvillea, **Williamson Co**, New House of Jack, 28 Jul-16 Aug 2021, JC3
Euchlaena deplanaria, Rusk Co, CR 216, 5 Mar 2020, J Pike, <https://www.inaturalist.org/observations/39595535>, added to Knudson list
Euchlaena deplanaria, **Williamson Co**, New House of Jack, 20 May 2021, JC3, <https://www.inaturalist.org/observations/79705028>
Eumacrodus yponomeutaria, Val Verde Co, East Blue Sage, Devils River, 24 Jun 2017, DGB, added to Knudson list
Eupithecia bolteri, **Bandera Co**, Lost Maples SNA, 31 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184711>
Eupithecia jejunata, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184712>
Eupithecia longidens kervillaria, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184713>
Eupithecia peckorum, **Williamson Co**, New House of Jack, 9 Mar 2021, JC3, <https://www.inaturalist.org/observations/70924193>
Eupithecia zygadeniata, Val Verde Co, East Blue Sage, Devils River, 10 Apr 2018, DGB
Exelis ophiurus, Val Verde Co, East Blue Sage, Devils River, 13 Feb 2018, DGB
Exelis ophiurus, **Williamson Co**, New House of Jack, 30 Jul 2021, JC3, <https://www.inaturalist.org/observations/89236322>
Fernaldella fimetaria, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85211651>
Glaucina erroraria, Val Verde Co, East Blue Sage, Devils River, 29 Mar 2017, DGB
Glaucina imperdata, Val Verde Co, East Blue Sage, Devils River, 24 Jun 2018, DGB
Glaucina interruptaria, Val Verde Co, East Blue Sage, Devils River, 1 Sep 2018, DGB
Glaucina nota, Val Verde Co, East Blue Sage, Devils River, 16 Oct 2017, DGB
Glena quinquelinearia, **Bandera Co**, Lost Maples SNA, 28 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184720>
Glenoides texanaria, **Bandera Co**, Lost Maples SNA, 28 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184718>
Holochroa dissociarius, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184723>
Horisme intestinata, **Hamilton Co**, FM 2005, 24 Mar 2021, MIM, <https://www.inaturalist.org/observations/72028117>
Hydriomena bistrilata, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184863>
Idaea gemmata, Val Verde Co, East Blue Sage, Devils River, 15 Mar 2017, DGB
Idaea kendallaria, Val Verde Co, East Blue Sage, Devils River, 26 Jul 2018, DGB
Iridopsis gemella, Val Verde Co, East Blue Sage, Devils River, 2 Sep 2018, DGB
Iridopsis gemella, **Williamson Co**, New House of Jack, 7-8 Jun 2021, JC3, <https://www.inaturalist.org/observations/82155729>
Iridopsis obliquaria, Val Verde Co, East Blue Sage, Devils River, 6 Feb 2017, DGB
Iridopsis perfectaria, Val Verde Co, East Blue Sage, Devils River, 15 Oct 2018, DGB
Iridopsis pseudoherse, Val Verde Co, East Blue Sage, Devils River, 6 Feb 2017, DGB
Macaria coortaria, Brazoria Co, Lake Jackson, 24 Apr 2021, MMK, 14mm fwl, fresh
Macaria deceptrix, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2020, DGB
Macaria grossbecki, Val Verde Co, East Blue Sage, Devils River, 24 Jun 2017, DGB
Macaria minorata, **Liberty Co**, CR 640, 4 Apr 2021, CB, <https://www.inaturalist.org/observations/72978773>
Macaria pallipennata, Val Verde Co, East Blue Sage, Devils River, 23 Dec 2017, DGB
Metanema inatomaria, **Hamilton Co**, FM 2005, 3 Apr 2021, MIM, <https://www.inaturalist.org/observations/72908187>
Nemoria zygotaria, Val Verde Co, East Blue Sage, Devils River, 18 Apr 2017, DGB
Pero radiosaria, Val Verde Co, East Blue Sage, Devils River, 12 Apr 2017, DGB
Phaeoura quernaria, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184871>
Philtraea paucimacula, Val Verde Co, East Blue Sage, Devils River, 28 Mar 2017, DGB
Plagodis phlogosaria, **Liberty Co**, Trinity River NWR, 16 Jul 2021, SM3, Listed in SCAN with little info.
<https://www.inaturalist.org/observations/87464846>
Plataea blanchardaria, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2017, DGB
Probole amicaria, **Hamilton Co**, FM 2005, 6 Jun 2021, MIM, <https://www.inaturalist.org/observations/82095660>
Protoboarmia porcelaria, **Liberty Co**, CR 640, 4 Mar & 7 Jun 2021, CB, <https://www.inaturalist.org/observations/70652886>
Protoproutia laredoata, Val Verde Co, East Blue Sage, Devils River, 16 May 2017, DGB
Protoproutia rusticaria, Val Verde Co, East Blue Sage, Devils River, 18 Sep 2017, DGB
Psamatodes trienta, Val Verde Co, East Blue Sage, Devils River, 26 Nov 2017, DGB
Pterospoda nigrescens, Val Verde Co, East Blue Sage, Devils River, 27 Mar 2017, DGB
Rindgea cyda, Val Verde Co, East Blue Sage, Devils River, 22 Feb 2017, DGB
Rindgea disparcata, Val Verde Co, East Blue Sage, Devils River, 21 No 2017, DGB

Rindgea prolifcata, Val Verde Co, East Blue Sage, Devils River, 8 Nov 2017, DGB
Rindgea subterminata, Val Verde Co, East Blue Sage, Devils River, 26 May 2017, DGB
Scopula benitaria, Val Verde Co, East Blue Sage, Devils River, 22 Jun 2017, DGB
Scopula plantagenaria, Val Verde Co, East Blue Sage, Devils River, 18 Apr 2017, DGB
Semaeopus ella, Val Verde Co, East Blue Sage, Devils River, 23 Oct 2017, DGB
Sphacelodes vulneraria, Dallas Co, Ten Mile Preserve, 13 Aug 2021, AL3
Stamnades fergusonii, Val Verde Co, East Blue Sage, Devils River, 16 Oct 2017, DGB
Stenoporpia anastomosaria, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2020, DGB
Stenoporpia blanchardi, Val Verde Co, East Blue Sage, Devils River, 6 Feb 2019, DGB
Taeniogramma mendicata, Val Verde Co, East Blue Sage, Devils River, 27 Jun 2017, DGB
Taeniogramma tenebrosata, Val Verde Co, East Blue Sage, Devils River, 27 Mar 2017, DGB

Gracillariidae:

Anarsioses aberrans, **Smith Co**, Tyler State Park, 16 Aug 2021, AL3, likely county record,
<https://www.inaturalist.org/observations/93504722>
Caloptilia rhoifoliella, **Hamilton Co**, FM 2005, 20 Mar & 14 Oct 2021, MIM, <https://www.inaturalist.org/observations/71729987>
Leucospilapteryx venustella, **Hamilton Co**, FM 2005, 2 May & 9 Dec 2021, MIM, <https://www.inaturalist.org/observations/77217411>,
added to Knudson list
Parectopa bumeliella, Dallas Co, Lochwood Neighborhood, 8 Aug 2021, AL3
Phyllocnistis liquidambarisella, **Smith Co**, Tyler State Park, 23 Jun 2021, AL3, <https://www.inaturalist.org/observations/93504722>, added
to Knudson list
Phyllonorycter aeriferella, **Hamilton Co**, FM 2005, 10 Dec 2021, MIM, <https://www.inaturalist.org/observations/102885281>
Phyllonorycter aeriferella, **Williamson Co**, New House of Jack, 30 Dec 2021, JC3
Phyllonorycter rileyella, **Liberty Co**, Trinity River NWR, 10 Jul 2021, SM3, <https://www.inaturalist.org/observations/86603962>
Povolnya quercinigrella, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73185214>
Povolnya quercinigrella, **Hamilton Co**, FM 2005, 8-10 Apr 2021, MIM, <https://www.inaturalist.org/observations/73412567>, added to
Knudson list

Heliodinidae:

Aetole tripunctella, **Williamson Co**, New House of Jack, 24 Jul 2021, JC3, <https://www.inaturalist.org/observations/88566886>
Cycloplasis sp., Denton Co, LLELA Nature Preserve, 18 Sep 2021, AL3

Heliozelidae:

Heliozela aesella, Dallas Co, Glendale Park, 6 Jul 2021, AL3

Lasiocampidae:

Apotolype brevicrista, Val Verde Co, East Blue Sage, Devils River, 15 May 2018, DGB
Malacosoma tigris, **Hamilton Co**, FM 2005, 9 Apr-22 May 2021, MIM, <https://www.inaturalist.org/observations/73507963>
Malacosoma tigris, Val Verde Co, East Blue Sage, Devils River, 21 Apr 2019, DGB

Limacodidae:

Apoda latomia, **Hamilton Co**, FM 2005, 21 May 2021, MIM, <https://www.inaturalist.org/observations/79854684>
Apoda latomia, Val Verde Co, East Blue Sage, Devils River, 29 Apr 2017, DGB
Apoda maxima, Val Verde Co, East Blue Sage, Devils River, 11 Jul 2020, DGB
Cryptophobeton oropeso, Val Verde Co, East Blue Sage, Devils River, 9 Jul 2021, DGB
Lithacodes graefii, **Liberty Co**, Trinity River NWR, 25 Aug 2021, SM3, <https://www.inaturalist.org/observations/92532472>

Lyonetiidae:

Leucoptera erythrinella, Dallas Co, Lochwood Neighborhood, 25 Sep 2021, AL3

Momphidae:

Mompha cephalonthiella, **Liberty Co**, Trinity River NWR, 22 Oct-20 Nov 2021, SM3, <https://www.inaturalist.org/observations/99248156>
Mompha sp nr *metallifera*, **Liberty Co**, Trinity River NWR, 15 May 2021, SM3, <https://www.inaturalist.org/observations/78929563>
Mompha rufocristatella, **Williamson Co**, New House of Jack, 7 Jul 2021, JC3, <https://www.inaturalist.org/observations/86083831>

Nepticulidae:

Ectoedemia ulmella, Dallas Co, Lochwood Neighborhood, 6 Sep 2021, AL3
Stigmella nigriverticella, Dallas Co, Lochwood Neighborhood, 11 Sep 2021, AL3
Stigmella resplendensella, Dallas Co, Lochwood Neighborhood, 7 Apr-20 May 2021, AL3,
<https://www.inaturalist.org/observations/45452573>, added to Knudson list
Stigmella rhoifoliella, **Smith Co**, Tyler State Park, 26 May 2021, AL3
Stigmella rosaefoliella, Dallas Co, Lochwood Neighborhood, 11-26 Sep 2021, AL3, <https://www.inaturalist.org/observations/94631247>,
needs confirmation before adding to State and Knudson lists
Zimmermania bosquella, Rusk Co, CR 216, 5 May 2020, J Pike, <https://www.inaturalist.org/observations/44952880>, added to Knudson list

Noctuidae:

Abrostola microvalis, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184324>
Abrostola microvalis, **Hamilton Co**, FM 2005, 13 Mar-15 May 2021, MIM, <https://www.inaturalist.org/observations/71225636>
Abrostola microvalis, Val Verde Co, East Blue Sage, Devils River, 17 Mar 2018, DGB
Acopa carina, Val Verde Co, East Blue Sage, Devils River, 26 Oct 2017, DGB
Acronicta insularis, **Williamson Co**, New House of Jack, 30 Jul-19 Sep 2021, JC3
Acronicta valliscola, Val Verde Co, East Blue Sage, Devils River, 25 Nov 2017, DGB
Acronicta vinnula paupercola, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184327>
Aleptina clinopetes, Val Verde Co, East Blue Sage, Devils River, 12 Sep 2017, DGB
Aleptina inca, Val Verde Co, East Blue Sage, Devils River, 18 Aug 2017, DGB

Amphipyra pyramidoides, **Hamilton Co**, FM 2005, 23 Oct 2021, MIM, <https://www.inaturalist.org/observations/99242407>
Anarta trifolii, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85210442>
Anicla digna, Val Verde Co, East Blue Sage, Devils River, 28 May 2017, DGB
Anycteola fotelloides, Val Verde Co, East Blue Sage, Devils River, 31 May 2018, DGB
Argillophora furcilla, **Smith Co**, Tyler State Park, 19 Jul 2021, AL3
Azenia edentata, Val Verde Co, East Blue Sage, Devils River, 7 May 2017, DGB
Azenia obtusa, **Liberty Co**, Trinity River NWR, 4 Apr 2021, SM3, <https://www.inaturalist.org/observations/73258887>
Azenia perflava, Val Verde Co, East Blue Sage, Devils River, 27 Apr 2019, DGB
Bagisara buxea, Val Verde Co, East Blue Sage, Devils River, 27 Mar 2017, DGB
Bagisara buxea, Williamson Co, New House of Jack, 22 Jun-9 Aug 2021, JC3
Bagisara praecelsa, Val Verde Co, East Blue Sage, Devils River, 4 Oct 2020, DGB
Basilodes chrysoptis, Val Verde Co, East Blue Sage, Devils River, 1 Oct 2017, DGB
Bellura obliqua, **Smith Co**, Tyler State Park, 19 Jul 2021, AL3
Catabena lineolata, **Hamilton Co**, FM 2005, 3-30 Sep 2021, MIM, <https://www.inaturalist.org/observations/96794151>
Catabenoides terminellus, Val Verde Co, East Blue Sage, Devils River, 12 Sep 2017, DGB
Catabenoides terminellus, Williamson Co, New House of Jack, 18-28 Jul 2021, JC3
Cerathosia tricolor, Val Verde Co, East Blue Sage, Devils River, 3 Apr 2017, DGB
Chalcopasta fulgens, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2018, DGB
Charadra dispulsa, Williamson Co, New House of Jack, 16 Mar & 16 Sep 2021, JC3
Chloridea subflexa, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85210443>
Chloridea virescens, **Hamilton Co**, FM 2005, 7 Apr & 3 Sep 2021, MIM, <https://www.inaturalist.org/observations/73307636>
Cobubatha megaplaga, Val Verde Co, East Blue Sage, Devils River, 15 May 2017, DGB
Cobubatha orthozona, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184334>
Cobubatha orthozona, Val Verde Co, East Blue Sage, Devils River, 4 Apr 2017, DGB
Cobubatha orthozona, Williamson Co, New House of Jack, 9-12 Apr 2021, JC3
Condica albolabes, Val Verde Co, East Blue Sage, Devils River, 17 Apr 2018, DGB
Condica charada, Val Verde Co, East Blue Sage, Devils River, 10 Feb 2018, DGB, added to Knudson list
Condica vecors, **Liberty Co**, Trinity River NWR, 5 May 2021, SM3, <https://www.inaturalist.org/observations/78100641>
Copanarta aurea, Val Verde Co, East Blue Sage, Devils River, 4 Apr 2018, DGB
Cropia connecta, Val Verde Co, East Blue Sage, Devils River, 28 Sep 2018, DGB
Dargida diffusa, **Williamson Co**, New House of Jack, 11 Mar & 5 Oct 2021, JC3, <https://www.inaturalist.org/observations/71044159>
Diastema cnoxia, Val Verde Co, East Blue Sage, Devils River, 18 May 2019, DGB
Dichagyris arabella, Val Verde Co, East Blue Sage, Devils River, 2 Sep 2018, DGB
Dichagyris grotei, **Williamson Co**, New House of Jack, 26 Sep-8 Oct 2021, JC3, <https://www.inaturalist.org/observations/96310055>
Dypterygia dolens, Val Verde Co, East Blue Sage, Devils River, 7 Sep 2017, DGB
Egira alternans, **Liberty Co**, CR 640, 9 Mar 2021, CB, <https://www.inaturalist.org/observations/70927918>
Elaphria grata, **Liberty Co**, Trinity River NWR, 30 Apr 2021, SM3, <https://www.inaturalist.org/observations/76394311>
Elaphria trolia, Val Verde Co, East Blue Sage, Devils River, 26 Mar 2019, DGB
Emariannia cucullidea, Val Verde Co, East Blue Sage, Devils River, 25 Apr 2019, DGB
Eucoptocnemis near rufula, Val Verde Co, East Blue Sage, Devils River, 27 Jan 2018, DGB
Euscirrhopterus cosyra, Val Verde Co, East Blue Sage, Devils River, 1 Aug 2018, DGB
Euxoa camalpa, Val Verde Co, East Blue Sage, Devils River, 14 Oct 2018, DGB
Euxoa medialis, Val Verde Co, East Blue Sage, Devils River, 22 Oct 2017, DGB
Eviridemas minuta, Val Verde Co, East Blue Sage, Devils River, 21 Sep 2018, DGB
Grotella blanchardi, Val Verde Co, East Blue Sage, Devils River, 15 Oct 2017, DGB
Hemieuxoa rudens, Val Verde Co, East Blue Sage, Devils River, 9 Apr 2018, DGB
Hemieuxoa rudens, Williamson Co, New House of Jack, 30 Mar & 31 Dec 2021, JC3
Hexorthodes inconspicua, Val Verde Co, East Blue Sage, Devils River, 19 Jun 2020, DGB
Hexorthodes serrata, Val Verde Co, East Blue Sage, Devils River, 15 Oct 2016, DGB
Hyperepia jugifera, Val Verde Co, East Blue Sage, Devils River, 24 Oct 2017, DGB
Lacinipolia pallis, Val Verde Co, East Blue Sage, Devils River, 1 Nov 2018, DGB
Lacinipolia scribillata, Val Verde Co, East Blue Sage, Devils River, 26 Mar 2018, DGB
Leucania linda, **Williamson Co**, New House of Jack, 31 Jul & 3 Dec 2021, JC3, <https://www.inaturalist.org/observations/89331197>
Leucocnemis nivalis, Val Verde Co, East Blue Sage, Devils River, 15 May 2017, DGB
Leucocnemis perfundis, Val Verde Co, East Blue Sage, Devils River, 20 Mar 2018, DGB
Lithophane lemmeri, **Hamilton Co**, FM 2005, 30 Jan-22 Feb 2021, MIM, <https://www.inaturalist.org/observations/68809788>
Metaponpneumata rogenhoferi, **Liberty Co**, Trinity River NWR, 12 Jun 2021, SM3, <https://www.inaturalist.org/observations/82730518>
Metaponpneumata rogenhoferi, Val Verde Co, East Blue Sage, Devils River, 8 May 2018, DGB
Micrathetis costiplaga, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2017, DGB
Neogalea sunia, Val Verde Co, East Blue Sage, Devils River, 18 Sep 2018, DGB
Neogalea sunia, Williamson Co, New House of Jack, 9 Dec 2021, JC3
Nudorthodes texana, Val Verde Co, East Blue Sage, Devils River, 22 Oct 2017, DGB
Ogdoconta tacna, Val Verde Co, East Blue Sage, Devils River, 18 Sep 2017, DGB
Orthodes furtiva, **Liberty Co**, CR 640, 13 Mar 2021, CB, <https://www.inaturalist.org/observations/71197175>
Orthosia annulimacula, Hamilton Co, FM 2005, 30 Jan-12 Mar 2021, MIM, <https://www.inaturalist.org/observations/68865194>
Orthosia annulimacula, Val Verde Co, East Blue Sage, Devils River, 9 Feb 2018, DGB

Oxycnemis gracillinea, Val Verde Co, East Blue Sage, Devils River, 5 Sep 2018, DGB
Oxycnemis grandimacula, Val Verde Co, East Blue Sage, Devils River, 30 Sep 2017, DGB
Ozarba catilina, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2018, DGB
Ozarba propera, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2020, DGB
Plagiomimicus navia, Val Verde Co, East Blue Sage, Devils River, 18 May 2019, DGB
Plagiomimicus pityochromus, **Hamilton Co**, FM 2005, 20 Sep 2020, MIM, <https://www.inaturalist.org/observations/60314041>
Plagiomimicus tepperi, Williamson Co, New House of Jack, 16-27 Sep 2021, JC3
Ponometia cuta, Val Verde Co, East Blue Sage, Devils River, 2 Aug 2018, DGB
Ponometia elegantula, Val Verde Co, East Blue Sage, Devils River, 30 Aug 2017, DGB
Ponometia exigua, Rusk Co, CR 216, 18 Sep 2011, J Pike, <https://www.inaturalist.org/observations/40275473>
Ponometia heonyx, Val Verde Co, East Blue Sage, Devils River, 2 Aug 2018, DGB
Ponometia libedis, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213529>
Ponometia libedis, **Williamson Co**, New House of Jack, 21 May & 24 Jul 2021, JC3, <https://www.inaturalist.org/observations/79721570>
Ponometia nannodes, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213532>
Ponometia phecolisca, **Mason Co**, Mason, 22 Sep 2021, CSX, <https://www.inaturalist.org/observations/96508778>
Ponometia virginalis, **Williamson Co**, New House of Jack, 24 Aug 2021, JC3, <https://www.inaturalist.org/observations/92592753>
Properigea continens, Val Verde Co, East Blue Sage, Devils River, 18 May 2017, DGB
Properigea seitzii, Val Verde Co, East Blue Sage, Devils River, 9 Apr 2018, DGB
Protorthodes orobia, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73185215>
Rachiplusia ou, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, BF, <https://www.inaturalist.org/observations/93224325>
Schinia accessa, Val Verde Co, East Blue Sage, Devils River, 13 Sep 2017, DGB
Schinia alencis, Val Verde Co, East Blue Sage, Devils River, 6 Oct 2018, DGB
Schinia cupes, **Hamilton Co**, FM 2005, 10 Apr 2021, MIM, <https://www.inaturalist.org/observations/73520860>
Schinia cupes, Val Verde Co, East Blue Sage, Devils River, 30 Aug 2017, DGB
Schinia gaurae, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85214717>
Schinia gaurae, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, SM3, observation by k8theqr8,
<https://www.inaturalist.org/observations/92443791>
Schinia hanga, **Hamilton Co**, FM 2005, 12 Sep 2021, MIM, <https://www.inaturalist.org/observations/94673191>
Schinia hanga, **Williamson Co**, New House of Jack, 21 Sep 2021, JC3, <https://www.inaturalist.org/observations/95684534>
Schinia hulstia, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2018, DGB
Schinia jaguarina, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85214719>
Schinia mortua, **Hamilton Co**, FM 2005, 2-24 Sep 2021, MIM, <https://www.inaturalist.org/observations/93507843>
Schinia nubila, Anderson Co, Gus Engeling WMA, 2 Oct 2021, AL3
Schinia oleagina, Val Verde Co, East Blue Sage, Devils River, 28 Sep 2018, DGB
Schinia quaesita, **Hamilton Co**, FM 2005, 31 Dec 2021, MIM, <https://www.inaturalist.org/observations/104158235>
Schinia sordidus, **Williamson Co**, New House of Jack, 26-27 Sep 2021, JC3, <https://www.inaturalist.org/observations/96360025>
Schinia ultima, Val Verde Co, East Blue Sage, Devils River, 29 Aug 2017, DGB
Sericaglaea signata, **Williamson Co**, New House of Jack, 23 Dec 2021, JC3, <https://www.inaturalist.org/observations/103603972>
Sideridis ruisa, Anderson Co, Gus Engeling WMA, 2 Oct 2021, AL3
Spragueia apicalis, **Liberty Co**, Trinity River NWR, 10 Sep 2021, SM3, <https://www.inaturalist.org/observations/95611460>
Spragueia dama, **Williamson Co**, New House of Jack, 24 Jul-16 Sep 2021, JC3, <https://www.inaturalist.org/observations/88566895>
Spragueia guttata, Val Verde Co, East Blue Sage, Devils River, 7 Sep 2017, DGB
Spragueia guttata, Williamson Co, New House of Jack, 14 Apr & 8 Oct 2021, JC3
Spragueia jaguaralis, Val Verde Co, East Blue Sage, Devils River, 16 May 2017, DGB
Spragueia jaguaralis, Williamson Co, New House of Jack, 23 Jun & 8 Oct 2021, JC3
Spragueia magnifica, Val Verde Co, East Blue Sage, Devils River, 21 Sep 2018, DGB
Spragueia obatra, Val Verde Co, East Blue Sage, Devils River, 29 Aug 2020, DGB
Spragueia obatra, Williamson Co, New House of Jack, 31 Aug 2021, JC3
Stiria intermixta, Val Verde Co, East Blue Sage, Devils River, 29 Sep 2018, DGB
Stiria rugifrons, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85214721>
Supralathosea baboquivariensis, Hamilton Co, FM 2005, 30 Jan-6 Feb 2021, MIM, <https://www.inaturalist.org/observations/68865214>
Supralathosea baboquivariensis, Val Verde Co, East Blue Sage, Devils River, 29 Jan 2018, DGB
Supralathosea pronuba, Val Verde Co, East Blue Sage, Devils River, 20 Jan 2018, DGB
Sympistis apis, Hamilton Co, FM 2005, 1-23 Oct 2021, MIM, <https://www.inaturalist.org/observations/96960188>
Sympistis apis, Val Verde Co, East Blue Sage, Devils River, 8 Nov 2017, DGB
Sympistis atricollaris, Hamilton Co, FM 2005, 8 Mar & 10 Jul 2021, MIM, <https://www.inaturalist.org/observations/70884456>
Sympistis atricollaris, Val Verde Co, East Blue Sage, Devils River, 21 Mar 2018, DGB
Sympistis cottami, Val Verde Co, East Blue Sage, Devils River, 5 May 2021, DGB
Sympistis induta, Hamilton Co, FM 2005, 14-30 May 2021, MIM, <https://www.inaturalist.org/observations/78922229>
Sympistis induta, Val Verde Co, East Blue Sage, Devils River, 25 Apr 2017, DGB
Sympistis modesta, Val Verde Co, East Blue Sage, Devils River, 23 Oct 2017, DGB
Sympistis poliafascies, Val Verde Co, East Blue Sage, Devils River, 25 Apr 2017, DGB
Sympistis sectilis, Val Verde Co, East Blue Sage, Devils River, 15 May 2017, DGB
Sympistis sectiloides, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2017, DGB
Sympistis toddi, Val Verde Co, East Blue Sage, Devils River, 28 Aug 2017, DGB
Tarache abdominalis, Hamilton Co, FM 2005, 31 Dec 2021, MIM, <https://www.inaturalist.org/observations/104383078>

Tarache abdominalis, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2020, DGB
Tarache apela, Hamilton Co, FM 2005, 4 Sep 2021, MIM, <https://www.inaturalist.org/observations/93633468>, added top Knudson list
Tarache augustipennis, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85214722>
Tarache exposita, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92540478>
Tarache exposita, Val Verde Co, East Blue Sage, Devils River, 11 Apr 2017, DGB
Tarache lanceolata, Hamilton Co, FM 2005, 2 May 2021, MIM, <https://www.inaturalist.org/observations/77217482>
Tarache lanceolata, Williamson Co, New House of Jack, 11 Oct 2021, JC3
Tarache lucasi, Val Verde Co, East Blue Sage, Devils River, 16 Oct 2017, DGB
Tarache quadriplaga, Hamilton Co, FM 2005, 2 May & 11 Sep 2021, MIM, <https://www.inaturalist.org/observations/77197054>
Tarache quadriplaga, Val Verde Co, East Blue Sage, Devils River, 23 Jun 2018, DGB
Tarache quadriplaga, Williamson Co, New House of Jack, 9 May & 19 Sep 2021, JC3
Tarache sedata, Val Verde Co, East Blue Sage, Devils River, 1 May 2018, DGB
Tarache tenuicula, Val Verde Co, East Blue Sage, Devils River, 25 Sep 2020, DGB
Tricholita knudsoni, Val Verde Co, East Blue Sage, Devils River, 4 Oct 2020, DGB
Tripudia luxuriosa, Val Verde Co, East Blue Sage, Devils River, 10 Apr 2018, DGB
Tripudia quadrifera, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73185220>
Tripudia rectangula, **Williamson Co**, New House of Jack, 29 Feb 2021, JC3, <https://www.inaturalist.org/observations/72540198>
Ulolonche disticha, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73185221>
Ulolonche fasciata, Val Verde Co, East Blue Sage, Devils River, 16 Mar 2018, DGB
Ulolonche orbiculata, Brewster Co, Elephant Mountain WMA, 16-18 Apr 2021, AL3
Xerociris wilsoni, Hamilton Co, FM 2005, 3 Apr & 10 Jul 2021, MIM, <https://www.inaturalist.org/observations/72908011>
Xerociris wilsoni, Val Verde Co, East Blue Sage, Devils River, 28 Mar 2017, DGB
Xerociris wilsoni, Williamson Co, New House of Jack, 7 Apr & 25 Sep 2021, JC3
Xystocheilus rufago, **Hamilton Co**, FM 2005, 27 Feb-21 Mar 2021, MIM, <https://www.inaturalist.org/observations/70326410>

Nolidae:

Nola lagunculariae, **Brazoria Co**, Lake Jackson, 17 Mar-4 Apr 2021, MMK, all 7mm fwl, tentative ID, known from lower Rio Grande Valley
Nola ovilla, Smith Co, Tyler State Park, 26 Apr 2021, AL3
Nola pustulata, Smith Co, Tyler State Park, 26 Apr 2021, AL3

Notodontidae:

Elasmia cave, Val Verde Co, East Blue Sage, Devils River, 19 May 2019, DGB
Elasmia mandela, Val Verde Co, East Blue Sage, Devils River, 19 Jun 2017, DGB
Elasmia packardii, Denton Co, LLELA Nature Preserve, 18 Sep 2021, AL3
Elasmia packardii, Val Verde Co, East Blue Sage, Devils River, 25 Jun 2017, DGB
Heterocampa belfragei, Val Verde Co, East Blue Sage, Devils River, 4 Apr 2017, DGB
Heterocampa biundata, **Liberty Co**, Trinity River NWR, 3 Sep 2021, SM3, <https://www.inaturalist.org/observations/93895964>
Heterocampa secessionis, Val Verde Co, East Blue Sage, Devils River, 24 Jun 2017, DGB
Hyparpax aurostriata, Val Verde Co, East Blue Sage, Devils River, 18 May 2017, DGB
Litodonta aonides, Val Verde Co, East Blue Sage, Devils River, 27 Sep 2020, DGB, added to Knudson list
Nerice bidentata, **Hamilton Co**, FM 2005, 1 Mar 2021, MIM, <https://www.inaturalist.org/observations/71083018>
Oligocentria alpica, Val Verde Co, East Blue Sage, Devils River, 11 Jun 2017, DGB
Peridea angulosa, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184870>
Schizura errucata, Val Verde Co, East Blue Sage, Devils River, 19 Sep 2017, DGB
Schizura leptinoides, **Hamilton Co**, FM 2005, 30 Jul 2021, MIM, <https://www.inaturalist.org/observations/89244470>

Nymphalidae:

Chlosyne gorgone, **Moore Co**, Lake Meredith, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/99511386>

Oecophoridae:

Inga obscuromaculella, Hamilton Co, FM 2005, 16 Aug 2021, MIM, <https://www.inaturalist.org/observations/91575450>
Inga obscuromaculella, Smith Co, Tyler State Park, 16 Aug 2021, AL3
Inga obscuromaculella, Williamson Co, New House of Jack, 21 May & 28 Aug 2021, JC3

Peleopodidae:

Diurrantia piperatella, Hamilton Co, FM 2005, 5 Apr-2 May 2021, MIM, <https://www.inaturalist.org/observations/73123135>

Pieridae:

Euchloe olympia, **Hamilton Co**, FM 2005, 23 Mar 2021, Missy McAllister Kerr, <https://www.inaturalist.org/observations/71923210>

Plutellidae:

Plutella xylostella, **Bandera Co**, Lost Maples SNA, 28 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184875>

Psychidae:

Kearfottia albifasciella, Rusk Co, CR 216, 17 Aug 2020 & 3 Sep 2018, J Pike, <https://www.inaturalist.org/observations/16160034>
Thyridopteryx ephemeraeformis, **Liberty Co**, Trinity River NWR, 4 Oct 2021, SM3, <https://www.inaturalist.org/observations/97903511>

Pterophoridae:

Dejongia californicus, Hamilton Co, FM 2005, 17 Jul 2021, MIM, <https://www.inaturalist.org/observations/87464355>

Pyralidae:

Acrobasis minimella, **Liberty Co**, Trinity River NWR, 12 Apr 2021, SM3, Not in SCAN but Knudson listed it.
<https://www.inaturalist.org/observations/74284892>
Acrobasis pallicornella, Val Verde Co, East Blue Sage, Devils River, 15 Jul 2021, DGB, <https://www.inaturalist.org/observations/103863502>
Acrobasis texana, Dallas Co, Lochwood Neighborhood, 26 Aug-6 Oct 2021, AL3
Aglossa disciferalis, **Hamilton Co**, FM 2005, 14 May 2021, MIM, <https://www.inaturalist.org/observations/78922266>

Alberada parabates, Val Verde Co, East Blue Sage, Devils River, 1 Nov 2019, DGB
Alpheias oculiferalis, Val Verde Co, East Blue Sage, Devils River, 6 Apr 2017, DGB
Alpheioides parvulus, Val Verde Co, East Blue Sage, Devils River, 5 Oct 2020, DGB
Alpheioides parvulus, **Williamson Co**, New House of Jack, 25 Aug 2021, JC3, <https://www.inaturalist.org/observations/92641052>
Anderida sonorella, Val Verde Co, East Blue Sage, Devils River, 29 Aug 2020, DGB
Anemosella obliquata, Val Verde Co, East Blue Sage, Devils River, 27 Jun 2018, DGB
Aphomia sociella, **Smith Co**, Tyler State Park, 23 Jun 2021, AL3, **STATE RECORD**, <https://www.inaturalist.org/observations/84910324>,
added to Knudson list
Arta epicoenalis, Williamson Co, New House of Jack, 22 Apr-4 May 2021, JC3
Arta olivalis, **Williamson Co**, New House of Jack, 15 Jun 2021, JC3, <https://www.inaturalist.org/observations/83583006>
Atascosa glareosella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92626880>
Atheloca subrufella, **Liberty Co**, Trinity River NWR, 12 Mar 2021, SM3, <https://www.inaturalist.org/observations/102935273>
Bandera binotella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92626885>
Baphala pallida, **Williamson Co**, New House of Jack, 25 Jul 2021, JC3, <https://www.inaturalist.org/observations/88735541>
Barberia affinitella, Val Verde Co, East Blue Sage, Devils River, 6 Sep 2020, DGB
Cacotherapia flexilinealis, Hamilton Co, FM 2005, 1 May & 24 Sep 2021, MIM, <https://www.inaturalist.org/observations/76959726>
Cacotherapia flexilinealis, Williamson Co, New House of Jack, 26 Aug-9 Sep 2021, JC3
Decaturia pectinalis, Val Verde Co, East Blue Sage, Devils River, 15 Jul 2018, DGB
Dioryctria caesirufella, Denton Co, LLELA Nature Preserve, 21 Oct 2021, AL3
Dioryctria pygmaeella, Denton Co, LLELA Nature Preserve, 15 May 2021, AL3
Elasmopalpus lignosella, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184453>
Eurythmia angulella, **Williamson Co**, New House of Jack, 21 May & 5 Dec 2021, JC3, <https://www.inaturalist.org/observations/79798329>
Euzophera semifuneralis, **Hamilton Co**, FM 2005, 27 Mar 2021, MIM, <https://www.inaturalist.org/observations/72417165>
Fundella ignobilis, **Edwards Co**, 1.3 mi NW of Camp Wood, 13 Oct 2019, AHX, My dissection, see Bugguide species page
Galleria mellonella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92626890>
Homoiosoma deceptorium, **Williamson Co**, New House of Jack, 24 Jun & 10 Dec 2021, JC3,
<https://www.inaturalist.org/observations/84427776>
Honora melinella, **Hamilton Co**, FM 2005, 30 Dec 2021, MIM, <https://www.inaturalist.org/observations/104050118>
Meroptera cviatella, **Liberty Co**, Trinity River NWR, 2 Aug 2021, SM3, <https://www.inaturalist.org/observations/90336860>
Myelopsis alatella, **Bandera Co**, Lost Maples SNA, 28 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184873>
Myelopsis alatella, **Hamilton Co**, FM 2005, 9-22 Apr 2021, MIM, <https://www.inaturalist.org/observations/73508199>
Olybria aliculella, Val Verde Co, East Blue Sage, Devils River, 9 May 2020, DGB
Ozamia clarefacta, **Hamilton Co**, FM 2005, 29 Dec 2021, MIM, <https://www.inaturalist.org/observations/103969036>
Ozamia clarefacta, Val Verde Co, East Blue Sage, Devils River, 17 Dec 2021, DGB
Ozamia clarefacta, Williamson Co, New House of Jack, 10 Aug & 30 Dec 2021, JC3
Passadena flavidorsella, Val Verde Co, East Blue Sage, Devils River, 20 Sep 2018, DGB
Peoria opacella, Val Verde Co, East Blue Sage, Devils River, 13 Sep 2020, DGB
Peoria tetradella, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, AL3, <https://www.inaturalist.org/observations/92641156>
Pococera callipeplella, **Edwards Co**, 1.3 mi NW of Camp Wood, 13 Jul 2021, AHX, see Bugguide species page
Pococera euphemella, Hamilton Co, FM 2005, 27 Aug-11 Sep 2021, MIM, <https://www.inaturalist.org/observations/92854068>
Quasisalebria admixta, Val Verde Co, East Blue Sage, Devils River, 15 Mar 2018, DGB
Quasisalebria atratella, Bosque Co, Meridian State Park, 29 Jun 2021, AL3
Salebriaria ademptandella, Smith Co, Tyler State Park, 19 Jul 2021, AL3
Salebriaria engeli, **Williamson Co**, New House of Jack, 27 Apr & 6 Aug 2021, JC3. <https://www.inaturalist.org/observations/75661120>
Salebriaria simplicella, **Williamson Co**, New House of Jack, 23 Aug-14 Sep 2021, JC3. <https://www.inaturalist.org/observations/92583855>
Salebriaria tenebrosella, **Williamson Co**, New House of Jack, 19 Sep 2021, JC3. <https://www.inaturalist.org/observations/95538282>
Salobrena sincera, Dallas Co, Ten Mile Preserve, 13 Aug 2021, AL3
Satole ligniperdalis, **Edwards Co**, 1.3 mi NW of Camp Wood, 31 Jul-30 Aug 2021, AHX, My visual ID & dissection
Sciota celtidella, **Hamilton Co**, FM 2005, 10 Sep 2021, MIM, <https://www.inaturalist.org/observations/94446247>
Sciota rubriparsella, **Liberty Co**, Trinity River NWR, 3 Jun 2021, SM3, <https://www.inaturalist.org/observations/81784906>
Sciota subfuscella, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85214720>
Sospatra rileyella, Hood Co, Acton Nature Center, 25 Jul 2021, AL3
Toripalpus breviornatalis, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92098679>
Zaboba mitchelli, Val Verde Co, East Blue Sage, Devils River, 20 Mar 2018, DGB
Zamagiria australella, Hamilton Co, FM 2005, 4 Sep 2021, MIM, <https://www.inaturalist.org/observations/93633504>
Zamagiria australella, Val Verde Co, East Blue Sage, Devils River, 13 Sep 2020, DGB
Zamagiria australella, Williamson Co, New House of Jack, 4 Aug-14 Sep 2021, JC3

Saturniidae:

Actias luna, **Edwards Co**, 1.3 mi NW of Camp Wood, 1 Sep 2021, AHX, My visual ID
Agapema anona platensis, Val Verde Co, East Blue Sage, Devils River, 21 Nov 2019, DGB
Anisota fuscata, Rusk Co, SH 64, 7 Aug 2018, J Pike, <https://www.inaturalist.org/observations/15208188>
Eupackardia calleta, Val Verde Co, East Blue Sage, Devils River, 23 Oct 2017, DGB
Hemileuca grotei, Hamilton Co, FM 2005, 25 Apr & 19 Nov 2021, MIM, <https://www.inaturalist.org/observations/104050124>
Hemileuca grotei, Val Verde Co, East Blue Sage, Devils River, 4 May 2019, DGB
Hemileuca peigleri, Hamilton Co, FM 2005, 25 Apr & 21 Nov 2021, MIM, <https://www.inaturalist.org/observations/73025500>
Syssphinx bicolor, Denton Co, Ben Jones Nature Center, 4 Sep 2021, AL3

Scythrididae:

- Landryia matutella*, Dallas Co, Lochwood Neighborhood, 8 Apr 2021, AL3
Neoscythris fissirostris, **Liberty Co**, Trinity River NWR, 2 Nov 2021, SM3, <https://www.inaturalist.org/observations/100430646>
Scythris fuscicomella, **Hamilton Co**, FM 2005, 1 May 2021, MIM, <https://www.inaturalist.org/observations/76737981>

Sesiidae:

- Sannina uroceriformis*, Cass Co, Sulfur River, 1 Jun 2021, WTJ
Synanthedon decipiens, Cass Co, Sulfur River, 1 Jun 2021, WTJ
Synanthedon decipiens, Medina Co, Mico, 6 Jun 2021, WTJ
Cissuvora ampelopsis, Medina Co, Rio Medina Bridge, 8 Jun 2021, WTJ
Mellitita calabaza, Dallas Co, Lochwood Neighborhood, 2 Sep 2021, AL3
Mellitita grandis, Williamson Co, Berry Springs Park, 6 May & 9 Oct 2021, JC3
Podosesia syringae, **Williamson Co**, Berry Springs Park, 23-25 Mar 2021, JC3, <https://www.inaturalist.org/observations/71979146>

Sphingidae:

- Erinnyis ello*, **Liberty Co**, Trinity River NWR, 2 Dec 2021, SM3, <https://www.inaturalist.org/observations/102557221>
Erinnyis ello, Val Verde Co, East Blue Sage, Devils River, 23 Jun 2019, DGB
Erinnyis lassauxii, Val Verde Co, East Blue Sage, Devils River, 18 Jun 2020, DGB
Erinnyis obscura, Hamilton Co, FM 2005, 18 Aug & 16 Oct 2021, MIM, <https://www.inaturalist.org/observations/91760126>
Erinnyis obscura, Val Verde Co, East Blue Sage, Devils River, 24 Aug 2017, DGB
Lintneria istar, Val Verde Co, East Blue Sage, Devils River, 7 Sep 2017, DGB
Manduca sexta, **Dallam Co**, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213515>
Manduca sexta, **Hamilton Co**, FM 2005, 18 Jul 2021, MIM, <https://www.inaturalist.org/observations/87667201>
Sphinx vanbuskirki, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, SK, <https://www.inaturalist.org/observations/92416135>
Sphinx vanbuskirki, Val Verde Co, East Blue Sage, Devils River, 18 May 2019, DGB

Tineidae:

- Acrolophus arcanela*, **Liberty Co**, CR 640, 14 May 2021, CB, <https://www.inaturalist.org/observations/80066084>
Acrolophus cockerelli, Val Verde Co, East Blue Sage, Devils River, 10 Jul 2020, DGB
Acrolophus heppneri, Val Verde Co, East Blue Sage, Devils River, 29 Aug 2020, DGB
Acrolophus heppneri, Williamson Co, New House of Jack, 26 May & 20 Sep 2021, JC3
Acrolophus mortipennella, Brown Co, Lake Brownwood State Park, 19 Apr 2021, AL3
Acrolophus plumifrontella, **Hamilton Co**, FM 2005, 21 May-2 Jul 2021, MIM, <https://www.inaturalist.org/observations/79854770>
Acrolophus popeanella, **Dallam Co**, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85210436>
Acrolophus popeanella, **Liberty Co**, CR 640, 24 Aug-3 Oct 2021, CB, <https://www.inaturalist.org/observations/92429344>
Acrolophus variabilis, **Mitchell Co**, Maddin Prairie, 21 Aug 2021, AL3, <https://www.inaturalist.org/observations/92541935>
Amydria dyarella, **Williamson Co**, New House of Jack, 25 Sep 2021, JC3, <https://www.inaturalist.org/observations/96258517>, ID tentative
Cephitinea obscuroides, Dallas Co, Lochwood Neighborhood, 12 Apr-19 May 2021, AL3
Diachorisia velatella, Williamson Co, New House of Jack, 9 Sep 2021, JC3
Dyotopasta yumaella, Val Verde Co, East Blue Sage, Devils River, 28 Jun 2018, DGB
Homosetia argentinetella, Dallas Co, Lochwood Neighborhood, 19 Sep 2021, AL3
Homostinea curvilineella, **Hamilton Co**, FM 2005, 18 Aug 2021, MIM, <https://www.inaturalist.org/observations/91760149>
Oenoe sp., Brazoria Co, Lake Jackson, 11 May 2021, MMK, 4mm total length
Phaeoses sabinella, Williamson Co, New House of Jack, 24-30 Dec 2021, JC3
Scardia anatomella, **Smith Co**, Tyler State Park, 19 Jul 2021, AL3
Tinea mandarinella, **Liberty Co**, Trinity River NWR, 20 Apr 2021, SM3, iNat has one in 2020.
<https://www.inaturalist.org/observations/74897083>, **STATE RECORD**

Tortricidae:

- Aethes razowskii*, Dallas Co, Lochwood Neighborhood, 4 Apr 2021, AL3, <https://www.inaturalist.org/observations/89231708>, needs confirmation, not added to Knudson list
Ancylis cordiae, Val Verde Co, East Blue Sage, Devils River, 18 Dec 2021, DGB, <https://www.inaturalist.org/observations/103480828>
Archips infumatana, Rusk Co, CR 216, 4 Jun 2021, J Pike, <https://www.inaturalist.org/observations/81662287>
Argyrotaenia kimballi, Smith Co, Tyler State Park, 23 Jun 2021, AL3, <https://www.inaturalist.org/observations/84912392>, added to Knudson list
Bactra verutana var. *albipuncta*, Brazoria Co, Lake Jackson, 29 Apr 2021, MMK, 8mm total length, one male, dissected M Sabourin
Cagiva cephalanthana, **Williamson Co**, New House of Jack, 13 Jul-19 Sep 2021, JC3, <https://www.inaturalist.org/observations/86998396>
Clepsis virescana, **Bandera Co**, Lost Maples SNA, 30 Mar 2021, CSX, <https://www.inaturalist.org/observations/73184333>
Cochylichroa hospes, **Williamson Co**, New House of Jack, 24 Jul 2021, JC3, <https://www.inaturalist.org/observations/88566891>
Cochylis buccera, Dallas Co, Spring Creek Forest Preserve, 17 Jul-13 Aug 2021, AL3
Cochylis buccera, Hamilton Co, FM 2005, 2 Jul-19 Aug 2021, MIM, <https://www.inaturalist.org/observations/85494631>
Cochylis buccera, Smith Co, Tyler State Park, 16 Aug 2021, AL3
Cochylis buccera, Williamson Co, New House of Jack, 25 Jul 2021, JC3
Cochylis caulocatax, Dallas Co, Ten Mile Preserve, 13 Aug 2021, AL3
Cochylis caulocatax, Hamilton Co, FM 2005, 14 May & 18 Aug 2021, MIM, <https://www.inaturalist.org/observations/78922294>
Cochylis caulocatax, Hood Co, Acton Nature Center, 25 Jul 2021, AL3
Cochylis caulocatax, Val Verde Co, East Blue Sage, Devils River, 10 Dec 2021, DGB, <https://www.inaturalist.org/observations/103125893>
Cryptaspasma bipenicilla, **Liberty Co**, Trinity River NWR, 7 Oct 2021, SM3, <https://www.inaturalist.org/observations/98509244>
Cydia albimaculana, Dallas Co, Lochwood Neighborhood, 11 Apr & 2 Sep 2021, AL3
Cydia caryana, **Hamilton Co**, FM 2005, 2 May 2021, MIM, <https://www.inaturalist.org/observations/77217639>

Cydia ingens, Rusk Co, CR 216, 7 May-1 Jun 2021, J Pike, <https://www.inaturalist.org/observations/77851963>, added to Knudson list

Cydia membroso, Denton Co, LLELA Nature Preserve, 9-18 Sep 2021, AL3

Cydia membroso, Williamson Co, New House of Jack, 15 May & 19 Sep 2021, JC3

Endothenia nubilana, Williamson Co, New House of Jack, 14 Apr & 11 Oct 2021, JC3, <https://www.inaturalist.org/observations/73975987>

Epiblema chromata, Hamilton Co, FM 2005, 1 May & 23 Oct 2021, MIM, <https://www.inaturalist.org/observations/76960637>

Epiblema chromata, Smith Co, Tyler State Park, 16 Aug 2021, AL3

Epiblema desertana, Williamson Co, New House of Jack, 6 Apr-21 May 2021, JC3, <https://www.inaturalist.org/observations/73196469>

Epiblema minutana, Williamson Co, New House of Jack, 14 May & 24 Aug 2021, JC3, <https://www.inaturalist.org/observations/78774340>

Epiblema strenuana, Dallam Co, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85211649>

Epiblema sp., Hamilton Co, FM 2005, 30 Jan-11 Mar 2021, MIM, <https://www.inaturalist.org/observations/68865200>

Ethelgodia texanana, Hamilton Co, FM 2005, 16 Jul-11 Sep 2021, MIM, <https://www.inaturalist.org/observations/87451074>

Eucosma raracana, Hamilton Co, FM 2005, 12 Sep-8 Oct 2021, MIM, <https://www.inaturalist.org/observations/94603315>

Eucosma spiculana, Hamilton Co, FM 2005, 13-21 Mar 2021, MIM, <https://www.inaturalist.org/observations/71150394>

Eugnosta bimaculana, Hamilton Co, FM 2005, 2-22 Oct 2021, MIM, <https://www.inaturalist.org/observations/97050578>

Eugnosta bimaculana, Williamson Co, New House of Jack, 14 Nov 2021, JC3

Goditha bumeliana, Dallas Co, Lochwood Neighborhood, 9 Jun 2021, AL3

Hystrichophora taleana, Hamilton Co, FM 2005, 1 May 2021, MIM, <https://www.inaturalist.org/observations/76959697>

Hystrichophora taleana, Williamson Co, New House of Jack, 17 May 2021, JC3

Hystrichophora vestaliana, Dallam Co, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85211655>

Monoceratuncus sp., Dallas Co, Lochwood Neighborhood, 2 Sep 2021, AL3

Olethreutes furfurana group, Brazoria Co, Lake Jackson, 22 Apr 2021, MMK, one female, dissected M Sabourin, to be described

Paralobesia vernoniana, Brazoria Co, Lake Jackson, 25 Mar-29 Apr 2021, MMK, two males, dissected M Sabourin

Pelochrista agricolana, Dallam Co, Rita Blanca NG, 14 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213524>

Pelochrista albigitana, Hamilton Co, FM 2005, 24 Apr & 29 Aug 2021, MIM, <https://www.inaturalist.org/observations/75175856>

Pelochrista bolanderana, Hamilton Co, FM 2005, 22 Apr 2021, MIM, <https://www.inaturalist.org/observations/74934373>

Pelochrista bolanderana, Val Verde Co, East Blue Sage, Devils River, 30 Mar 2018, DGB

Pelochrista canana, Val Verde Co, East Blue Sage, Devils River, 5 Oct 2020, DGB

Pelochrista comatulana, Hamilton Co, FM 2005, 21 Aug-23 Oct 2021, MIM, <https://www.inaturalist.org/observations/92109800>

Pelochrista comatulana, Williamson Co, New House of Jack, 17-27 Sep 2021, JC3, <https://www.inaturalist.org/observations/95160487>

Pelochrista consobrinana, Williamson Co, New House of Jack, 17 Sep & 26 Dec 2021, JC3, <https://www.inaturalist.org/observations/95302120>

Pelochrista corosana, Hamilton Co, FM 2005, 10 Oct 2021, MIM, <https://www.inaturalist.org/observations/97798577>

Pelochrista galenapunctana, Williamson Co, New House of Jack, 17 Sep 2021, JC3, <https://www.inaturalist.org/observations/95165617>

Pelochrista parapulveratana, Dallam Co, Rita Blanca NG, 15 Jun 2021, CSX, <https://www.inaturalist.org/observations/85213526>

Pelochrista persolita, Dallas Co, Spring Creek Forest Preserve, 17 Jul 2021, AL3

Pelochrista persolita, Hamilton Co, FM 2005, 5 Jun & 18 Aug 2021, MIM, <https://www.inaturalist.org/observations/82095377>

Pelochrista ridingsana, Hamilton Co, FM 2005, 28 Oct 2021, MIM, <https://www.inaturalist.org/observations/99720952>

Pseudexentera hodsoni, Hamilton Co, FM 2005, 11-24 Mar 2021, MIM, <https://www.inaturalist.org/observations/71104100>

Pseudexentera knudsoni, Hamilton Co, FM 2005, 7 Mar-7 Apr 2021, MIM, <https://www.inaturalist.org/observations/70819565>

Pseudexentera knudsoni, Val Verde Co, East Blue Sage, Devils River, 10 Feb 2018, DGB

Pseudexentera knudsoni, Williamson Co, New House of Jack, 6 Mar & 8 Oct 2021, JC3

Pseudexentera undescribed sp., Brazoria Co, Lake Jackson, 23 Apr 2021, MMK, one male, dissected M Sabourin, from unpublished ms

Pseudogalleria inimicella, Williamson Co, New House of Jack, 13 Apr 2021, JC3, <https://www.inaturalist.org/observations/73968748>

Rudenia leguminana, Brazoria Co, Lake Jackson, 10 May 2021, MMK, 9mm total length

Sereda tautana, Hamilton Co, FM 2005, 10-12 Mar 2021, MIM, <https://www.inaturalist.org/observations/71015142>

Sonia vovana, Mitchell Co, Maddin Prairie, 21 Aug 2021, CSX, <https://www.inaturalist.org/observations/92659231>

Sonia vovana, Val Verde Co, East Blue Sage, Devils River, 5 Oct 2020, DGB

Sparganothis demissana, Hamilton Co, FM 2005, 14 May & 16 Sep 2021, MIM, <https://www.inaturalist.org/observations/78922295>

Suleima cinerodorsana, Williamson Co, New House of Jack, 17 Sep-5 Oct 2021, JC3, <https://www.inaturalist.org/observations/95295512>

Yponomeutidae:

Zelleria retiniella, Liberty Co, Trinity River NWR, 7 Jun 2021, SM3, Not in SCAN but Knudson listed it.
<https://www.inaturalist.org/observations/82214901>

Ypsolophidae:

Ypsolopha flavistrigella, Dallas Co, Lochwood Neighborhood, 15 Dec 2021, AL3, possible STATE RECORD, could be *Y. barberella*,
<https://www.inaturalist.org/observations/103131153>, added to Knudson list

Ypsolopha gerdanella, Val Verde Co, East Blue Sage, Devils River, 27 Jan 2018, DGB

Ypsolopha ochrella, Bandera Co, Lost Maples SNA, 28 Mar 2021, CSX, larva on *Agarita*,
<https://www.inaturalist.org/observations/73185225>

Zygaenidae:

Acoloitus falsarius, Hamilton Co, FM 2005, 16-17 Aug 2021, MIM, <https://www.inaturalist.org/observations/91575408>

Harrisina metallica, Williamson Co, Berry Springs Park, 2 May 2021, JC3

Pyromorpha caelebs, Hamilton Co, FM 2005, 14-24 Apr 2021, MIM, <https://www.inaturalist.org/observations/74704409>

Zone 7: Ontario/Quebec
Coordinator Kyle E. Johnson

No reports for Zone 7.

**Zone 8: Midwest: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Ohio,
West Virginia, Wisconsin**
Coordinator: Eric P. Olson

Contributors: Steven Bransky (SCB), Thomas W. Carr (TWC), Marilyn Carter (MC3), Leslie Ferge (LAF), David Grosshuesch (DG1), Betty Hemstad (BH), Gary Hinds (GH), Troy Janssen (TJ1), Lisa Jemtrud (LJ), Kyle Johnson (KEJ), Dave & Bonnie MacLean (DBM), Scott MacLean (SM4), Wally Mattson (WM), Mike Reishus (MR1), James & Pat Sanders (JPS), Butch Schulte (BS), Allison Snopek-Barta (ASB), William Taft, Jr. (WTJ), James P. Tuttle (JPT)

Wisconsin season notes: The 2021 season was warmer than average overall, with plentiful rainfall in the north but drought conditions in the southern part of the state. Moth populations seemed a bit higher than previous years. There were few unusual stray and migrant moths, with *Anticarsia gemmatalis*, *Chrysodeixis includens*, *Magusa divaricata* and *Anicla infecta* appearing in southern counties from late September to mid-October. A single *Manduca sexta* was found in Douglas Co., far north of previous records. Introduced species continue to become well-established, with *Pasiphila rectangulata*, *Idaea dimidiata* and *Calophasia lunula* now known from scattered localities statewide.

KEJ observed an early spring in northeastern Wisconsin, where late winter thaws resulted in moths flying in late February. By mid-April, warm weather had pushed phenology 2-3 weeks ahead of the previous few years. Surveys for WI-DNR in west-central WI in May resulted in new locations for species of conservation interest, including a robust new population of the imperiled *Callophrys irus* (Frosted Elfin). Also notable was a second WI record for the elusive day-flying noctuid *Eutricopsis nexilis*. Late summer surveys in southwest WI also yielded new records of conservation concern species. Overall abundances seemed slightly below “average”, with some migratory species (esp. *Spodoptera frugiperda*) unusually abundant, whereas others (e.g. *Catocala*, *Papaipema*) were conspicuously scarce. The scarcity of *Catocala* in particular was noted in other parts of the state as well.

Minnesota season notes: KEJ (working for the Minnesota Biological Survey) conducted spring and late summer/fall surveys in various parts of Minnesota. Extremely warm weather in early April in the south metro area resulted in a number of unusually early phenological records. Drought prevailed during late summer surveys in these and southeastern counties, with many butterflies scarce or absent. A notable exception was profound abundance of *Hesperia leonardus* (Leonard’s Skipper) at Weaver Dunes. Late September surveys covered 11 southwestern counties (also in drought), resulting in a variety of interesting records. This part of the state, with the exception of Nobles Co., is very poorly sampled for moths. Extremely warm weather in early November yielded excellent results in Dakota Co. Overall, the extremely dry conditions were poor for diurnal species, but led to excellent baiting results for nocturnal ones. Some moth groups, esp. *Catocala* and *Papaipema*, were notably scarce. A variety of interesting southern strays made an appearance.

2021 featured two noteworthy weather trends for much of Minnesota – above average early spring temperatures that brought out overwintering butterflies in March and extreme drought over the northern part of the state, including Cook, Pine and St. Louis Cos., resulting in large fires in St. Louis Co. and western Cook Co. in August. The impact of these fires on butterfly habitat, including species of special concern, in the Greenwood Lake area is yet to be determined.

Very warm March temperatures produced a sighting of *Nymphalis l-album* west of Devil Track Lake on the 22nd. This was followed by numerous *l-album* sightings throughout Cook Co. in April and May. A *Phlogophora iris* larva was recorded on April 4 and an adult on June 9. On April 28, warm southerly winds brought out a number of *Polygonia faunus* followed by others in May and early June.



Polygonia faunus: photo by Allison Snopek-Barta, 18 Sep 2021,
Oak Point in Cass Co., MN

Erynnis icelus was recorded at nine Cook Co. sites from May 25 to July 7. *Carterocephalus palaemon*, typically common, was only found at one site. *Thymelicus lineola* was again the most common skipper with large numbers observed from June 26 to mid-July. Gary Hinds recorded a single *Hesperia sassacus* from Pine Co. on June 28 and in Cook Co. David MacLean found *Lon hobomok* less common than in previous years. *Polites mystic* and *Polites peckius* were recorded from five Cook County sites and *Polites themistocles* from early June to early July. *Polites egeremet* was recorded on July 16 and *Euphyes vestris* at three sites from mid-June to early July.

Above average early May temperatures for Northeast Minnesota saw the emergence of *Pterourus canadensis* in Cook Co. on May 2, ten days earlier than in 2020. *P. canadensis* was recorded at 14 sites from late May to mid-July, often in large numbers. *Pieris napi* was uncommon with several May records. Small numbers of *Pieris rapae* were recorded in early July with larger numbers in August. Fewer *Colias philodice* and *C. eurytheme* were reported in 2021 with no records of *philodice* from Cook Co. and only two for *C. eurytheme*, once in mid-July and again in early October. *Colias interior* was common at several blueberry sites in Cook Co. including the Plouff Creek Wetlands where 198 were tallied.

Gary Hinds of Hinckley Twp., Pine Co. recorded *Satyrium liparops* on June 13 and *Satyrium calanus* on August 21. Dave Grosshuesch and Jim Sanders also reported *Satyrium liparops* from the Plouff Creek wetlands on July 8. David MacLean recorded *Callophrys augustinus* from two sites on May 12 and June 1 and *C. polios* near its larval host plant *Arctostaphylos uva-ursi* at two sites from early to late May. *Callophrys eryphon* and *C. niphon* were recorded from mid to late May. Males of *C. polios*, *eryphon* and *niphon* were sometimes seen together nectaring on *uva-ursi* blossoms. *Tharsalea dorcas* was recorded on July 15 adjacent to an upland black spruce bog and *T. helloides* was recorded from the Plouff Creek wetlands on July 8. *Cupido comyntas* was recorded from the Plouff Creek wetlands on July 8 and from Pine Co. on August 2. David MacLean recorded *Lycaeides idas nabokovi* at several Cook Co. sites from June 23 to mid-July. On July 8, Dave Grosshuesch and Jim Sanders reported an amazing 1580 *L. i. nabokovi* from the Plouff Creek wetland site that is undergoing a USFS Dwarf Bilberry/Northern Blue restoration project.

Argynnis atlantis atlantis was common to abundant at many Cook Co. sites with only one record each for *A. cybele* and *A. aphrodite*. *Boloria bellona* was found from May 21 to July 8 and on July 26 and several *B. eunomia* were seen nectaring on roadside flowers adjacent to a black spruce bog. *Polygonia faunus* was the only *Polygonia* species reported from Cook Co. with records from late April to early June and again in August. There were no sightings of *P. progne* and only one was seen in 2020. David MacLean found *Nymphalis antiopa* to be very common for the second year in a row. However, Dan Baumann, also of Cook Co., reported that *antiopa* was less common than most years where he was. *Nymphalis l-album* was first observed on a mild March 22 and again from mid-April to early June. Numbers of *l-album* at some sites in late July were estimated to be 100 or more followed by



Callophrys niphon, photo by Allison Snopek-Barta, 29 May 2021, Oak Point, Steam Boat Trail, Cass Co., MN

smaller numbers in succeeding weeks as the butterflies dispersed. *Vanessa virginiensis* was uncommon and *Vanessa atalanta* and *V. cardui* were not recorded from Cook Co. in 2021. Likewise, Jerry McCormick did not record *V. atalanta* or *V. cardui* from St. Louis Co..

A small number of *Euphydryas phaeton* were found at a site that supported a large population of *phaeton* in the mid 2000s. The population decline was due to the loss of the larval host *Chelone glabra* in an attempt to control St. Johns of Wort, *Hypericum perforatum*. *Limenitis arthemis arthemis* was recorded from mid-June to mid-August with numbers estimated to be 50 or more at several sites in June. On June 19, Scott MacLean reported seeing hundreds of *Asterocampa celtis* at Whitewater State Park in Winona Co., similar to reports of an eruption of *celtis* throughout the Midwest (<https://www.seversondells.com/blog/hackberry-emperor>). On July 14, Jim and Pat Sanders, Wally Mattson and Marilyn Carter recorded *Lethe appalachia* at McNair in St. Louis Co. Gary Hinds reported large numbers of *Lethe anthedon* from Pine Co. A roadside population of *Coenonympha tullia*, east of Devil Track was the smallest since first observed in 2017.

2021 saw the largest number of Monarch butterflies reported from Northeast Minnesota in the past nine years. Monarchs were first observed on May 25, a day that saw 65°F temperatures and strong southerly winds. Monarchs were recorded from many Cook Co. sites, where they were often common, from Late May to late August. In June and July, David MacLean observed female Monarchs ovipositing, and in late June found mature larvae on a patch of domestically planted *Asclepias syriaca*. It should be noted that *A. syriaca* occurs in Cook Co. only where it has been planted or has colonized sites such as the boat landings at Elbow, Brule and McFarland Lakes. While there were numerous reports of Monarchs from Cook and St. Louis Cos., Gary Hinds of Pine Co. in north central Minnesota and Scott MacLean of Blue Earth Co. in southern Minnesota reported seeing fewer Monarchs in 2021.



Limenitis arthemis X *astyanax* hybrid, photo by Patricia Thomas, 28 Jun 2021, 6219 E. Superior St., Duluth, St. Louis Co., MN.



Euphydryas phaeton, photo by Allison Snopek-Barta, 28 Jun 2021, Nary Rd., Beltrami Co., MI

Gary Hinds reported *Dryocampa rubicunda* from Pine Co. on June 1 and Troy Janssen recorded *Automeris io* on June 9. The number of *Antheraea polyphemus* and *Actias luna* reported from Cook Co. in 2021 was the highest since 2013. Jerry McCormick of Virginia, Minnesota found *Hyalophora cecropia* cocoons to be common during the winter of 2020-2021 in St. Louis Co., however many were either destroyed by birds or parasitized by tachinid flies. Betty Hemstad recorded *Lapara bombycoides*, a possible new Cook County record, on June 30 and David MacLean recorded *Hyles galli* on July 1. Larvae of *Schizura concinna*, were found feeding on apple leaves on August 9. On June 9, Gary Hinds recorded *Hypercompe scribonia* for the second time from Hinckley Twp., Pine Co. Gary also recorded *Pangrapta decoralis*, an uncommon species, on July 14. On July 4, Mike Reishus of Thief River Falls, Minnesota took a photo of *Ascalapha odorata*, the first record of *odorata* from Lake of the Woods Co. On August 1, Lisa Jemtrud recorded *Catocola cerogama* in Savage, Scott Co. and on July 30, Scott MacLean recorded *C. relicta* in Mankato, Blue Earth Co. On June 30, Betty Hemstad took a photo of *Acrionicta vulpina*, a possible new Cook Co. record. On June 9, David MacLean vouchered *Acrionicta quadrata*, at Devil Track Lake in Cook Co., a rarely collected dagger wing moth found in a narrow north-south distribution across southern Canada and the Upper Midwest. *Acrionicta quadrata* has twice before recorded at this site once in 2006 and 2010. Additional possible new county records were: *Argyrotaenia velutinana*, *Coelostathma discopunctana*, *Pyrausta unifascialis*, and *Acrionicta longa* from Cook Co. and *Sparganothis unifasciana* and *Platynota exasperatana* from Pine Co.

Allison Snopek-Barta noted that the butterfly season of 2021 was certainly the most challenging time to observe and record lepidoptera that she has experienced in her lifetime of 65 years. It was the driest year to date over the past 127 years (January-November) for the state of Minnesota. Conditions in my observation areas became so dry that wilt factor was reached by the trees and forest vegetation. At times, forest fire smoke filled the air, all life suffered.

The season began with a surprise sighting of an Infant Moth (*Archiearis infans*) on March 20th. On that day, I was excited to begin the season, and had no idea that it would be a record hot, and dry summer for us all.

My first butterfly day was April 4 at a temperature of 58°F. It was nice to see my first Compton's Tortoiseshell. By May 8th it was so dry that the wild strawberry plants and their blossoms were wilted leaving Silvery Blues, and Western-tailed Blues looking for food elsewhere. Blues and Meadow Fritillaries were feeding on a small, green leafed plant that hide tiny white blossoms. I have never seen these species feed on this plant. At this point, temperatures were 10 degrees or more below average.

May 15th was the first real multi-species "Butterfly Day", but still no rain in sight. On May 20th drought persisted and blooming of many spring flowers was delayed in my area. June 4th was 95°F with the arrival of Canadian Tiger Swallowtails. On July 7th temperatures dropped again with a 65°F temp and an evening temp of 45°F, much more typical of April than July. On July 17 I left Minnesota for Wisconsin to visit the Lapham Peak Prairie in Waukesha Co. I was thrilled to find Black and Eastern Tiger Swallowtails feeding in the Prairie on bee

balm. In Nelson, Wisconsin I found Giant Swallowtails. August 11 saw the posting of “Severe Fire Risk” and “Severe Drought”, with fires growing north and northeast of our location. By August 20 there was still no rain, and temperatures cooled to 67°F. The drought continued as September approached. It was a relief to welcome fall. I thought when I photographed a monarch feeding on my zinnia flowers on October 10th, that it would be end of this season, and then I was surprised on October 17th to find a Common Checkered Skipper making its way across our yard (season’s final photo).



Heraclides cressphontes, photo by Allison Snopek-Barta, 20 Jul 2021, low land farm, Pepin Co., MI.

RECORDS:

Illinois:

Crambidae:

Herpetogramma bipunctalis, **Winnebago Co**, Mary Sackett Prairie, 17 Sep 2021, Kyle E. Johnson

Noctuidae:

Lithophane bethunei, Winnebago Co, Mary Sackett Prairie, 17 Sep 2021, Kyle E. Johnson

Papaipema cerina, **Winnebago Co**, Mary Sackett Prairie, 17 Sep 2021, Kyle E. Johnson

Papaipema cerussata, **Winnebago Co**, Mary Sackett Prairie, 17 Sep 2021, Kyle E. Johnson, slight northern range extension

Papaipema silphii, **Winnebago Co**, Mary Sackett Prairie, 17 Sep 2021, Kyle E. Johnson

Michigan:

Adelidae:

Adela purpurea, Kalkaska Co, Black Creek Ridges & Lowlands, 17 Apr 2021, SCB, also KEJ, on willow catkins

Depressariidae:

Semioscopis aureorella, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ

Semioscopis inornata, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ

Erebidae:

Catocala ilia, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ

Geometridae:

Archiearis infans, Keweenaw Co, Eagle River (Garden City Rd), 5 Apr 2021, LAF

Eupithecia ravocostaliata, Kalkaska Co, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ

Lycia ursaria, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, SCB & KEJ

Phigalia titea, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, SCB & KEJ

Tacparia atropunctata, Keweenaw Co, Point Isabelle Bog, 9 Jun 2021, LAF

Triphosa haesitata, **Mackinac Co**, Point aux Chenes, 16 Apr 2021, KEJ, very early date for this location, cold conditions near lakeshore

Gracillariidae:

Caloptilia alnicolella, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ

Caloptilia alnivorella, **Menominee Co**, Shakey Lakes Barrens, 2 Feb 2021, KEJ, hibernating under bark
Caloptilia alnivorella, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Caloptilia stigmatella, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Caloptilia strictella, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ

Hesperiidae:

Burnsius communis, Keweenaw Co, Eagle River (Ferge yard), 20 Aug 2021, LAF

Lycaenidae:

Callophrys augustinus, Kalkaska Co, Black Creek Ridges & Lowlands, 17 Apr 2021, SCB & KEJ, rather early date
Callophrys henrici, Delta Co, Brampton, 15 May 2021, KEJ, seldom encountered in MI

Noctuidae:

Brachionycha borealis, Crawford Co, Shupac Lake Barrens, 18 Apr 2021, KEJ, temps around freezing
Brachionycha borealis, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, SCB
Chrysodeixis includens, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Eupsilia morrisoni, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, SCB & KEJ
Feralia major, Crawford Co, Shupac Lake Barrens, 18 Apr 2021, KEJ, temps around freezing
Hemipachnobia monochromatea, **Keweenaw Co**, Point Isabelle Bog, 9 Jun 2021, LAF
Homoglaea hircina, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ
Leucania amygdalina, Keweenaw Co, Point Isabelle Bog, 9 Jun 2021, LAF
Lithophane antennata, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Lithophane hemina, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Lithophane hemina, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ
Lithophane patefacta, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ
Lithophane patefacta, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Lithophane pexata, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Lithophane semiusta, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Lithophane tepida, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ
Lithophane unimoda, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Magusa divaricata, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Orthosia revicta, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Orthosia rubescens, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Papestra biren, Keweenaw Co, Point Isabelle Bog, 9 Jun 2021, LAF
Papestra quadrata, Keweenaw Co, Point Isabelle Bog, 9 Jun 2021, LAF
Peridroma saucia, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Psaphida resumens, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Pyreferra hesperidago, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ
Syngrapha microgramma, Keweenaw Co, Point Isabelle Bog, 9 Jun 2021, LAF
Trichordestra tacoma, Keweenaw Co, Point Isabelle Bog, 9 Jun 2021, LAF
Xylina curvimacula, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ

Nymphalidae:

Chlosyne harrisii, Keweenaw Co, Central (E Stagecoach Rd), 12 Jun 2021, LAF

Psychidae:

Psyche casta, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ, case found under bark

Sesiidae:

Albuna fraxini, Kalamazoo Co, Gourdneck SGA, 42.1807N 85.6375W, 18 Jun-3 Jul 2021, WTJ
Paranthrene dollii, **Kalamazoo Co**, Gourdneck SGA, 42.1807N 85.6375W, 18 Jun-3 Jul 2021, WTJ
Sesia spartani, Kalamazoo Co, Gourdneck SGA, 42.1807N 85.6375W, 18 Jun-3 Jul 2021, WTJ
Synanthedon acerrubri, **Kalamazoo Co**, Gourdneck SGA, 42.1807N 85.6375W, 18 Jun-3 Jul 2021, WTJ
Synanthedon pini, Kalamazoo Co, Gourdneck SGA, 42.1807N 85.6375W, 18 Jun-3 Jul 2021, WTJ
Synanthedon pyri, Kalamazoo Co, Gourdneck SGA, 42.1807N 85.6375W, 1-16 Jun 2021, WTJ
Vitacea polistiformis, Kalamazoo Co, Gourdneck SGA, 42.1807N 85.6375W, 18 Jun-3 Jul 2021, WTJ

Sphingidae:

Erinnyis obscura, Clinton Co, Bath Twp, 29 Aug 2021, JPT, leg. Glenn Belyea at UV light, earlier record for same location on 16 Sep 2015
rare fall stray

Hemaris aethra, **Mackinac Co**, Western Cemetery, 0.3 mi W of Brevort, 16 Jun 2021, TWC, nectaring at lilac, *H. aethra*, *H. thysbe*, and *H. gracilis* fly together at this site

Xylophanes tersa, **Clinton Co**, Bath Twp, 6 Aug 2021, JPT, leg. Glenn Belyea at UV light, earlier record for same location on 18 Jun 2012

Tortricidae:

Acleris bowmanana, Otsego Co, Nielsen Hut, 18 Apr 2021, KEJ, temps around freezing
Acleris celiana, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Acleris cornana, **Menominee Co**, Shakey Lakes Barrens, 20 Mar 2021, KEJ
Acleris oxycoccana, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ
Acleris placidana, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Acleris semiannula, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Epinotia artostaphylana, **Ontonagon Co**, Porcupine Mountains, Lake of the Clouds, 7 Oct 2021, KEJ
Pseudexentera kalmiana, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ, in bog
Pseudexentera sepia, **Kalkaska Co**, Black Creek Ridges & Lowlands, 17 Apr 2021, KEJ, **STATE RECORD**

Minnesota:

Choreutidae:

Prochoreutis inflatella, Dakota Co, Spring Lake Park Reserve, 19 Sep 2021, KEJ

Crambidae:

Crambus agitatellus, Pine Co, Fox Rd, Hinckley Twp, 1 Jul 2021, GH

Desmia funeralis, Pine Co, Fox Rd, Hinckley Twp, 1 Jul 2021, GH

Elophila ekthlipsis, Pine Co, Fox Rd, Hinckley Twp, 1 Jul 2021, GH

Euchromius ocella, Lincoln Co, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ

Eudonia strigalis, Dakota Co, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Glaphyria sesquialis, Dakota Co, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Hahncappsia marculenta, Dakota Co, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Herpetogramma bipunctalis, Brown Co, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ

Herpetogramma bipunctalis, Dakota Co, Spring Lake Park Reserve, 19 Sep 2021, KEJ

Herpetogramma pertextalis, Pine Co, Fox Rd, Hinckley Twp, 3 Aug 2021, GH

Hymenia perspectalis, Dakota Co, Spring Lake Park Reserve, 19 Sep 2021, KEJ

Mimoschinia rufofascialis, Lincoln Co, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ

Ostrinia penitalis, Dakota Co, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Pyrausta laticlavata, Dakota Co, Spring Lake Park Reserve, 18 Aug 2021, KEJ, **STATE RECORD**

Pyrausta pythialis, Dakota Co, Spring Lake Park Reserve, 18 Aug 2021, KEJ, seldom encountered rangewide, SE range extension

Pyrausta unifascialis, Cook Co, Walter Rd (Devil Track Lake), 1 Jul 2021, DBM

Pyrausta volupialis, Rock Co, Blue Mounds State Park, 28 Sep 2021, KEJ, probable **STATE RECORD**

Spoladea recurvalis, Brown Co, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ

Spoladea recurvalis, Lincoln Co, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ

Spoladea recurvalis, Rock Co, Blue Mounds State Park, 28 Sep 2021, KEJ

Depressariidae:

Agonopterix argillacea, Brown Co, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ

Agonopterix thelmae, Ramsey Co, Arden Hills, 7 Sep 2021, KEJ

Depressaria cinereocostella, Dakota Co, Spring Lake Park Reserve, 5 Apr 2021, KEJ

Exaeretia gracilis, Dakota Co, Spring Lake Park Reserve, 5 Apr 2021, KEJ, seldom encountered in MN

Drepanidae:

Oreta rosea, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Elachistidae:

Elachista orestela, Anoka Co, Carlos Avery WMA, 7 Sep 2021, KEJ

Epermeniidae:

Epermenia albabunctella, Dakota Co, Spring Lake Park Reserve, 5 Apr 2021, KEJ

Erebidae:

Apantesis arge, Ramsey Co, Arden Hills, 7 Sep 2021, KEJ

Apantesis williamsii, Cook Co, Mile O'Pines Rd, 1 Jul 2021, BH, DBM

Arctia caja, Cook Co, Mile O'Pines Rd, 14-30 Jun 2021, BH, DBM

Arctia parthenos, Cook Co, Walter Rd (Devil Track Lake), 18 Jun-1 Jul 2021, DBM

Ascalapha odorata, Lake of the Woods Co, nr. Long Point, Lake of the Woods, 4 Jul 2021, MR1, 17th MN record

Catocala cerogama, Scott Co, Savage, 1 Aug 2021, LJ

Catocala neogama, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Catocala parta, Brown Co, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ

Catocala parta, Lincoln Co, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ

Catocala piatrix, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Ciseps fulvicollis, Cook Co, Walter Rd (Devil Track Lake), 27 Jul 2021, DBM

Cycnia collaris, Lincoln Co, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ

Hypena madefactalis, Dakota Co, Spring Lake Park Reserve, 19 Sep 2021, KEJ

Hypena manalis, Dakota Co, Spring Lake Park Reserve, 19 Sep 2021, KEJ

Hypena sordidula, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Hypenodes caducus, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Hypenodes fractilinea, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Hypenodes sombrus, Anoka Co, Carlos Avery WMA, 7 Sep 2021, KEJ

Hypercompe scribonia, Pine Co, Fox Rd, Hinckley Twp, 13 Jun 2021, GH

Melipotis jucunda, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ, rare stray in MN

Metalectra quadrisignata, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Mocis latipes, Dakota Co, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Orgyia antiqua nova, Cook Co, Walter Rd (Devil Track Lake), 18 Jul-9 Sep 2021, DBM

Zale horrida, Cook Co, Walter Rd (Devil Track Lake), 9 Jun 2021, DBM

Eriocraniidae:

Dyseriocrania griseocapitalla, Dakota Co, Spring Lake Park Reserve, 5 Apr 2021, KEJ

Gelechiidae:

Anacamptis fullonella, Lincoln Co, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ, **STATE RECORD**

Aproaerema adversa, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Aristotelia primipilana, **Pine Co**, Fox Rd, Hinckley Twp, 1 Jul 2021, GH, **STATE RECORD**
Aristotelia urbaurea, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ, **STATE RECORD**
Battaristis concinnusella, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Chionodes discoocellella, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Dichomeris juncidella, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Metzneria lappella, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Aug 2021, KEJ
Sinoe chambersi, **Dakota Co**, Miesvile Ravine Park Reserve, 3 Apr 2021, KEJ
Stereomita andropogonis, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Xenolechia velatella, **Dakota Co**, Miesvile Ravine Park Reserve, 3 Apr 2021, KEJ, **STATE RECORD**

Geometridae:

Alsophila pometaria, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Archiearis infans, **Cass Co**, Oak Point, 20 Mar 2021, ASB
Archiearis infans, **Cook Co**, Walter Rd (Devil Track Lake), 17 Apr 2021, DBM
Archiearis infans, **Dakota Co**, Miesvile Ravine Park Reserve, 3-4 Apr 2021, KEJ
Cabera erythemaria, **Pine Co**, Fox Rd, Hinckley Twp, 13 Jun 2021, GH
Digrammia gnophosaria, **Cook Co**, Walter Rd (Devil Track Lake), 3 Jun-1 Jul 2021, DBM
Digrammia mellistrigata, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Dysstroma hersiliata, **Pine Co**, Fox Rd, Hinckley Twp, 14 May 2021, GH
Eulithis explanata, **Pine Co**, Fox Rd, Hinckley Twp, 14 Jul 2021, GH
Eulithis testata, **Anoka Co**, Carlos Avery WMA, 7 Sep 2021, KEJ
Eupithecia ravocostaliata, **Cook Co**, Walter Rd (Devil Track Lake), 17 May 2021, DBM
Eupithecia ravocostaliata, **Pine Co**, Fox Rd, Hinckley Twp, 14 May 2021, GH
Eupithecia tripunctaria, **Pine Co**, Fox Rd, Hinckley Twp, 1 Jul-21 Aug 2021, GH
Hydriomena perfracta, **Pine Co**, Fox Rd, Hinckley Twp, 14 May 2021, GH
Hydriomena transfigurata, **Cook Co**, Walter Rd (Devil Track Lake), 3 Jun 2021, DBM
Iridopsis humaria, **Pine Co**, Fox Rd, Hinckley Twp, 14 May 2021, GH
Macaria aemulataria, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Aug 2021, KEJ
Operophtera bruceata, **Dakota Co**, Spring Lake Park Reserve, 7 Nov 2021, KEJ
Palaecrita merriccata, **Dakota Co**, Miesvile Ravine Park Reserve, 3 Apr 2021, KEJ
Pero honestaria, **Cook Co**, Mile O'Pines Rd, 30 Jun 2021, BH, DBM
Stamnodes gibbicostata, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Sep 2021, KEJ
Stamnodes gibbicostata, **Winona Co**, Whitewater WMA, 5 Sep 2021, KEJ, abundant in old growth hardwood forest

Gracillariidae:

Caloptilia hypericella, **Anoka Co**, Carlos Avery WMA, 7 Sep 2021, KEJ, **STATE RECORD**
Caloptilia ostryaella, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Caloptilia triadicae, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ, **STATE RECORD**
Povolnya quercinigrella, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ

Hesperiidae:

Burnsius communis, **Cass Co**, Oak Point, 13 Jun & 17 Oct 2021, ASB, last butterfly of the season seen
Erynnis juvenalis, **Cass Co**, Oak Point, Steam Boat Trail, 8 Jun 2021, ASB, not common
Hesperia leonardus, **Wabasha Co**, Weaver Dunes, 6 Sep 2021, KEJ, abundant
Lon hobomok, **Cook Co**, FR 304 off CR 12, 28 Jun 2021, DBM, late and uncommon

Lycaenidae:

Celastrina ladon, **Cass Co**, Oak Point, 1-16 May 2021, ASB, lower population than normal
Feniseca tarquinius, **Cass Co**, Oak Point, Steam Boat Trail roadside, 25 Jun-5 Aug 2021, ASB, 8 seen at 3 sites
Plebejus idas nabakovi, **Cook Co**, CR 3 near Plouff Ck wetlands, 8 Jul 2021, DG1, JPS, USFS Plouff Ck., Dwarf Bilberry, Northern Blue Project, 1580 recorded
Satyrium acadica, **Cass Co**, Oak Point, 30 Jun-9 Jul 2021, ASB, population lower this year
Satyrium calanus, **Cass Co**, Oak Point, 24 Jun-12 Jul 2021, ASB, very abundant this year
Satyrium titus, **Cass Co**, Oak Point, Steam Boat Trail, 12-28 Jul 2021, ASB, not common
Tharsalea dorcas, **Cook Co**, Lima Mt Rd (FR 152), 16 Jul 2021, DBM, 5 seen, 1 nectaring on *Solidago*

Momphidae:

Mompha eloisella, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Sep 2021, KEJ
Mompha murtfeldtella, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Noctuidae:

Abagrotis anchocelioides, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Aug 2021, KEJ
Abagrotis cupida, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Sep 2021, KEJ, **STATE RECORD**
Acronicta afflicta, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Acronicta connecta, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Acronicta fallax, **Pine Co**, Fox Rd, Hinckley Twp, 14 May 2021, GH
Acronicta grisea, **Pine Co**, Fox Rd, Hinckley Twp, 3 Aug 2021, GH
Acronicta insita, **Cook Co**, Walter Rd (Devil Track Lake), 9 Jun-11 Jul 2021, DBM
Acronicta longa, **Cook Co**, Walter Rd (Devil Track Lake), 9 Jun 2021, DBM, possible county record
Acronicta quadrata, **Cook Co**, Walter Rd (Devil Track Lake), 9 Jun 2021, DBM, fresh, a specialist on cherries, rarely collected, also collected by KEJ, 3 Jun 2010, **STATE RECORD**

Acronicta vulpina, **Cook Co**, Mile O'Pines Rd, 30 Jun 2021, BH, DBM, possible county record
Agnorisma badinodis, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Anathix aggressa, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Anathix aggressa, Ramsey Co, Arden Hills, 7 Sep 2021, KEJ, seldom encountered in MN
Anathix puta, **Dakota Co**, Miesville Ravine Park Reserve, 19 Sep 2021, KEJ
Andropolia contacta, Cook Co, Walter Rd (Devil Track Lake), 1 Jul 2021, DBM
Apamea burgessi, **Wabasha Co**, Weaver Dunes, 6 Sep 2021, KEJ, **STATE RECORD**
Apamea relicina, **Wabasha Co**, Weaver Dunes, 6 Sep 2021, KEJ, few MN records
Autographa californica, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Caradrina meralis, Ramsey Co, Arden Hills, 7 Sep 2021, KEJ, seldom encountered in MN
Cerastis salicarium, Cook Co, Walter Rd (Devil Track Lake), 17 May 2021, DBM
Chloridea virescens, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Chrysodeixis includens, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Chrysodeixis includens, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Coenophila opacifrons, **Anoka Co**, Carlos Avery WMA, 7 Sep 2021, KEJ
Condica sutor, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Epiglaea decliva, **Dakota Co**, Spring Lake Park Reserve, 19 Sep-7 Nov 2021, KEJ
Epiglaea decliva, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Epiglaea decliva, **Rock Co**, Blue Mounds State Park, 28 Sep 2021, KEJ
Eucoptocnemis fimbriaris, **Wabasha Co**, Weaver Dunes, 6 Sep 2021, KEJ, few MN records
Eupsilia devia, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Eupsilia morrisoni, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Eupsilia schweitzeri, **Dakota Co**, Spring Lake Park Reserve, 7 Nov 2021, KEJ
Eupsilia vinulenta, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Euxoa auxiliaris, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Euxoa campestris, **Cook Co**, Walter Rd (Devil Track Lake), 17 Aug 2021, DBM
Euxoa niveilinea, **Dakota Co**, Miesville Ravine Park Reserve, 19 Sep 2021, KEJ
Euxoa niveilinea, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Euxoa niveilinea, Ramsey Co, Arden Hills, 7 Sep 2021, KEJ, seldom encountered in MN
Graphiphora augur, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ
Helotropha reniformis, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Hillia iris, **Anoka Co**, Carlos Avery WMA, 7 Sep 2021, KEJ
Homophoberia apicosa, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Leucania lapidaria, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ
Leucania phragmitidicola, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Lithacodia musta, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ, slight northern range extension, **STATE RECORD**
Lithomoia germana, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Lithophane antennata, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Lithophane bethunei, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Lithophane disposita, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Lithophane disposita, **Rock Co**, Blue Mounds State Park, 28 Sep 2021, KEJ
Lithophane georgii, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Lithophane grotei, **Cook Co**, Walter Rd (Devil Track Lake), 15 Sep 2021, DBM
Lithophane lanei, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Lithophane lanei, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Lithophane lanei, **Rock Co**, Blue Mounds State Park, 28 Sep 2021, KEJ
Lithophane laticinerea, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Lithophane laticinerea, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Lithophane oriunda, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ
Lithophane petulca, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Lithophane scottae, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Magusa divaricata, **Ramsey Co**, Arden Hills, 7 Sep 2021, KEJ
Magusa divaricata, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Mamestra configurata, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Melanchnra picta, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Mesapamea fractilinea, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ
Nedra ramosula, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Orthosia alurina, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Orthosia garmani, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Papaipema furcata, **Anoka Co**, Carlos Avery WMA, 7 Sep 2021, KEJ
Papaipema impecuniosa, **Dakota Co**, Miesville Ravine Park Reserve, 19 Sep 2021, KEJ
Papaipema leucostigma, **Houston Co**, Mound Prairie, 4 Sep 2021, KEJ
Papaipema lysimachiae, **Ramsey Co**, Arden Hills, 7 Sep 2021, KEJ
Papaipema maritima, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Papaipema nepheleptena, **Houston Co**, Root River Marsh, 4 Sep 2021, KEJ
Papaipema rigida, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ

Papaipema sciata, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Papaipema unimoda, Dakota Co, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Phlogophora iris, Cook Co, Walter Rd (Devil Track Lake), 4 Apr-9 Jun 2021, DBM, larva on early date
Plusia magnimaculata, **Anoka Co**, Carlos Avery WMA, 7 Sep 2021, KEJ
Protorthodes incincta, Ramsey Co, Arden Hills, 7 Sep 2021, KEJ, seldom encountered in MN
Psaphida electilis, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ, slight northern range extension
Pyreferra pettiti, **Dakota Co**, Miesvile Ravine Park Reserve, 3 Apr 2021, KEJ
Rachiplusia ou, Dakota Co, Miesvile Ravine Park Reserve, 19 Sep 2021, KEJ
Rachiplusia ou, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Spaelotis clandestina, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ
Trichoplusia ni, Pine Co, Fox Rd, Hinckley Twp, 15 Aug-1 Oct 2021, GH
Xanthia tatago, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Xylena nupera, **Brown Co**, Joseph A. Tauer Prairie, 27 Sep 2021, KEJ
Xylena nupera, **Dakota Co**, Spring Lake Park Reserve, 19 Sep 2021, KEJ

Nolidae:

Garella nilotica, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Notodontidae:

Clostera apicalis, Cook Co, Walter Rd (Devil Track Lake), 3-9 Jun 2021, DBM
Oedemasa leptinoides, **Cook Co**, Walter Rd (Devil Track Lake), 1-11 Jul 2021, DBM

Nymphalidae:

Argynnis aphrodite, Cass Co, Oak Point, Steam Boat Trail, 11 Jul-20 Aug 2021, ASB, declining population
Argynnis atlantis, Cass Co, Oak Point, 15 Jun-14 Aug 2021, ASB, declining population
Argynnis atlantis atlantis, Cook Co, Lima Mt Rd (FR 152), 25 Jun-9 Aug 2021, DBM, more than 80 seen
Argynnis idalia, **Winona Co**, Whitewater WMA, 5 Sep 2021, KEJ
Boloria bellona, Cass Co, Oak Point, 15 May & 6 Sep 2021, ASB, last year had 6 aberrations, none this year
Boloria bellona, Cook Co, Walter Rd (Devil Track Lake), 21 May-17 Jul 2021, DBM, 2nd generation noticed on 16 Jul
Chlosyne harrisii, Beltrami Co, Nary Rd, 24 Jun-30 Jul 2021, ASB, new location S of Nary Rd also
Coenonympha californica inornata, Cook Co, CR 8 roadside, 7-28 Jun 2021, DBM, late record
Danaus plexippus, Cass Co, Oak Point, 21 May & 10 Oct 2021, ASB, steady population this year
Danaus plexippus, Cook Co, Walter Rd (Devil Track Lake), 29 May & 22 Aug 2021, DBM, common, numerous adults and larvae
Euphydryas phaeton, Beltrami Co, Nary Rd, 24 Jun-8 Jul 2021, ASB, declining population perhaps due to drought
Euptoieta claudia, Cass Co, Oak Point, 8 Jun 2021, ASB, migrant, only 1 observed
Limenitis arthemis arthemis, Cook Co, Lima Mt Rd (FR 152), 25 Jun-9 Aug 2021, DBM, 50 on early date
Limenitis arthemis arthemis, Cook Co, State Forest Rd 665 off FR 154, 23 Jun-7 Jul 2021, DBM, DG1, JPS, abundant, 240 counted
Limenitis arthemis arthemis, Winona Co, Whitewater SP, 19 Jun 2021, SM4, numbers estimated in hundreds, widespread eruption
Megisto cymela, Cass Co, Oak Point, 5-24 Jun 2021, ASB, lower population this year
Nymphalis antiopa, Cass Co, Oak Point, 4 Apr & 13 Oct 2021, ASB, summer brood started on 8 Jul
Nymphalis l-album, Cass Co, Oak Point, 4 Apr & 13 Oct 2021, ASB, first butterfly seen
Nymphalis l-album, Cook Co, Co Rd 8, 3 Apr 2021, DBM, early date
Phyciodes cocyta, Cook Co, Lima Mt Rd (FR 152), 1 Jun-7 Jul 2021, DBM, common to abundant
Vanessa virginiensis, Cass Co, Oak Point, 19 Jun 2021, ASB, only 1 seen all summer

Papilionidae:

Pterourus canadensis, Cass Co, Oak Point, 20 May-12 Jun 2021, ASB, declining population, puddling observed on 10 Jun
Pterourus canadensis, Cook Co, FR 158, 31 May 2021, DBM, common
Pterourus glaucus, Cass Co, Oak Point, 6-25 Jun 2021, ASB, 2 males seen this year

Pieridae:

Colias eurytheme, Cook Co, CR 8 roadside, 4 Oct 2021, DBM, late record
Colias interior, Cass Co, Oak Point, Steam Boat Trail, 19 Jun-24 Jul 2021, ASB, lower population this year
Euchloe olympia, Hubbard Co, Badoura Nursery, 2 Jun 2021, ASB, late in season, 2 seen
Pieris napi, Cass Co, Oak Point, 28 Jun-12 Jul 2021, ASB, abundant this year

Pyralidae:

Bandera binotella, **Ramsey Co**, Arden Hills, 7 Sep 2021, KEJ
Hypsopygia costalis, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Interjectio nivella, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ, eastern range extension
Peoria gemmatella, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ

Saturniidae:

Antheraea polyphemus, Cook Co, Walter Rd (Devil Track Lake), 3 Jun-1 Jul 2021, DBM, 12 counted, most since 2013
Automeris io, Pine Co, Iron Horse Rd, Hinckley, 9 Jul 2021, TJ1

Schreckensteiniidae:

Schreckensteinia erythriella, **Dakota Co**, Miesvile Ravine Park Reserve, 19 Sep 2021, KEJ

Sphingidae:

Amphion floridensis, Cook Co, Walter Rd (Devil Track Lake), 16 Jun 2021, DBM
Deidamia inscriptum, Dakota Co, Miesvile Ravine Park Reserve, 3 Apr 2021, KEJ
Hyles gallii, Cook Co, Walter Rd (Devil Track Lake), 1 Jul 2021, DBM, uncommon

Tineidae:

Acolophus morus, **Dakota Co**, Miesville Ravine Park Reserve, 19 Sep 2021, KEJ
Amydria effrentella, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Monopis spilotella, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Tinea apicimaculella, **Dakota Co**, Miesville Ravine Park Reserve, 19 Sep 2021, KEJ

Tortricidae:

Acleris flavivittana, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ, **STATE RECORD**
Acleris nivisellana, **Dakota Co**, Spring Lake Park Reserve, 5 Apr & 7 Nov 2021, KEJ
Acleris placidana, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ
Aethes argentilimitana, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Aethes heleniana, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Aethes sexdentata, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Ancylis metamelana, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ
Apotomis funerea, **Cook Co**, Walter Rd (Devil Track Lake), 7-11 Jul 2021, DBM
Argyrotaenia velutinana, **Cook Co**, Walter Rd (Devil Track Lake), 11 Jul 2021, DBM
Celypha cespitana, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Cochylichroa aurorana, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ
Cochylis buccera, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ, **STATE RECORD**
Coelostathma discopunctana, **Cook Co**, Walter Rd (Devil Track Lake), 1 Jul 2021, DBM
Diedra cockerellana, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ
Endothenia nubilana, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ
Epinotia vertumnana, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ
Epinotia zandana, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Eucosma glomerana, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Eucosma montanana, **Ramsey Co**, Arden Hills, 7 Sep 2021, KEJ
Eucosma ornatula, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Eucosma raracana, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ
Pelochrista matutina, **Lincoln Co**, Hole-in-the-Mountain Prairie, 29 Sep 2021, KEJ, **STATE RECORD**
Pelochrista zomanana, **Dakota Co**, Spring Lake Park Reserve, 18 Aug 2021, KEJ, **STATE RECORD**
Platynota exasperatana, **Pine Co**, Fox Rd, Hinckley Twp, 15 Aug 2021, GH
Pseudexentera oregonana, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Pseudexentera sepia, **Dakota Co**, Miesville Ravine Park Reserve, 3 Apr 2021, KEJ
Sereda tautana, **Dakota Co**, Spring Lake Park Reserve, 5 Apr 2021, KEJ, **STATE RECORD**
Sparganothis unifasciana, **Pine Co**, Fox Rd, Hinckley Twp, 14 Jul 2021, GH
Suleima cinerodorsana, **Dakota Co**, Miesville Ravine Park Reserve, 19 Aug 2021, KEJ

Ohio:

Lycaenidae:

Satyrium favonius ontario, **Lucas Co**, Wabash Cannonball Trail, south fork, 15 Jun 2021, TWC, nectaring on dogbane, first vouchered specimen for the county; one prior confirmed photographic record

Wisconsin:

Carposinidae:

Bondia crescentella, **Eau Claire Co**, Coon Fork Barrens, 13 May 2021, KEJ

Crambidae:

Acentria ephemerella, **Crawford Co**, Rush Creek SNA, 30 Aug 2021, KEJ
Diasemioides janassialis, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ
Evergestis pallidata, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ
Herpetogramma bipunctalis, **Crawford Co**, Oak Coulee Woods, 31 Aug 2021, KEJ
Microcrambus minor, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ
Parapoynx obscuralis, **Crawford Co**, Rush Creek SNA, 30 Aug 2021, KEJ
Pyrausta acronalis, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ

Erebidae:

Amolita fessa, **Columbia Co**, Swan Lake Wildlife Area, 3 Jul 2021, LAF
Anticarsia gemmatalis, **Rock Co**, Magnolia Bluff County Park, 18 Oct 2021, LAF
Apantesis phyllira, **Richland Co**, LWRSWA Lone Rock Unit, 29 Aug 2021, LAF
Arctia caja, **Iron Co**, Hwy G & Long Lake Creek, 8 Aug 2021, LAF
Arctia parthenos, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Caenurgia chloropha, **Crawford Co**, Oak Coulee Woods, 31 Aug 2021, KEJ
Catocala insolabilis, **Crawford Co**, Rush Creek SNA, 30 Aug 2021, KEJ, further evidence this is a resident species
Catocala lineella, **Iron Co**, Hwy G & Long Lake Creek, 8 Aug 2021, LAF
Catocala subnata, **Crawford Co**, Rush Creek SNA, 30 Aug 2021, KEJ
Haploa contigua, **Iron Co**, Murray's Landing Cedar Swamp, 11 Jul 2021, LAF

Isogona tenuis, **Richland Co**, LWRSWA Lone Rock Unit, 29 Aug 2021, LAF
Macrochilo bivittata, Columbia Co, Swan Lake Wet-Mesic Prairie SNA, 3 Jul 2021, LAF
Macrochilo bivittata, Douglas Co, Wisconsin Point, 11 Jul 2021, LAF
Macrochilo louisiana, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 14 Jun 2021, LAF
Macrochilo louisiana, **Milwaukee Co**, Wehr Nature Center, 18 Jun 2021, LAF
Plusiodonta compressipalpis, **Grant Co**, N end of Closing Dam Rd, 26 Apr 2021, LAF
Tetanolita floridana, **Brown Co**, Brown County Reforestation Camp, 10 Oct 2021, KEJ
Tetanolita floridana, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ
Virbia opella, **Bayfield Co**, Bark Bay Slough SNA, 11 Jul 2021, LAF
Zale phaeocapna, **Oconto Co**, Little Suamico, 1 May 2021, KEJ, seldom encountered in WI

Eriocraniidae:

Eriocrania semipurpurella, Oconto Co, Little Suamico, 1 May 2021, KEJ, few WI records

Euteliidae:

Paectes oculatrix, **Columbia Co**, Swan Lake Barrens SNA, 14 Jun 2021, LAF

Geometridae:

Archiearis infans, Oconto Co, Little Suamico, 13 Mar 2021, KEJ, early flight, 2 Apr previous date
Cabera quadrifasciaria, Milwaukee Co, Wehr Nature Center, 18 Jun 2021, LAF
Cleora sublunaria, Grant Co, 2.5 mi NW of Cassville, 26 Apr 2021, LAF
Cleora sublunaria, **Green Co**, Albany Wildlife Area, 18 Apr 2021, LAF
Cleora sublunaria, **Rock Co**, Magnolia Bluff County Park, 18 Apr 2021, LAF
Cyclophora packardii, **Crawford Co**, Oak Coulee Woods, 30 Aug 2021, KEJ
Cyclophora packardii, **Marinette Co**, 0.3 mi N of Hwy 8 on Dunbar Barrens Rd, 3 Jun 2021, LAF
Idaea dimidiata, **Bayfield Co**, Bark Bay Slough SNA, 11 Jul 2021, LAF
Idaea dimidiata, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Iridopsis ephyraria, **Grant Co**, 2.5 mi NW of Cassville, 26 Apr 2021, LAF
Iridopsis ephyraria, **Iron Co**, Murray's Landing Cedar Swamp, 11 Jul 2021, LAF
Lambdina fervidaria, **Florence Co**, Jacquet Lake Bog, 3 Jun 2021, LAF
Macaria coortaria, Milwaukee Co, Wehr Nature Center, 18 Jun 2021, LAF
Mellilla xanthometata, Grant Co, 2.5 mi NW of Cassville, 26 Apr 2021, LAF
Palaecrita vernata, **Oconto Co**, Little Suamico, 22 Mar 2021, KEJ
Phigalia strigataria, Oconto Co, Little Suamico, 10 Mar-7 Apr 2021, KEJ, early flight, 3 Apr previous date
Spodolepis substriataria, Iron Co, Murray's Landing Cedar Swamp, 1 May 2021, LAF
Spodolepis substriataria, Vilas Co, Rummels Rd Barrens, W of Hwy 45, 1 May 2021, LAF
Tacparia atropunctata, **Forest Co**, Lake Gordon Bog, 3 Jun 2021, LAF
Triphosa haesitata, **Iron Co**, Sandrock Road conifer swamp, 1 May 2021, LAF

Glyphipterigidae:

Diploschizia impigritella, **Shawano Co**, Navarino SWA, 11 Sep 2021, KEJ

Gracillariidae:

Caloptilia belfragella, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ
Caloptilia hypericella, **Shawano Co**, Navarino SWA, 11 Sep 2021, KEJ
Caloptilia ostryaella, **Marinette Co**, Bloch Oxbow & Pines, 8 Jan 2021, KEJ, hibernating under bark
Phyllonorycter celtifoliella, **Marinette Co**, Bloch Oxbow & Pines, 8 Jan 2021, KEJ, hibernating under bark, northern range extension

Hepialidae:

Korscheltellus gracilis, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Sthenopsis purpurascens, **Iron Co**, Murray's Landing Cedar Swamp, 11 Jul 2021, LAF

Hesperiiidae:

Erynnis brizo, Eau Claire Co, Canoe Landing Prairie, Horse Creek Barrens, 13 May 2021, KEJ
Erynnis lucilius, Crawford Co, Hogback Prairie, 1 Sep 2021, KEJ, locally common along ridgeline
Erynnis persius, Eau Claire Co, Canoe Landing Prairie, Horse Creek Barrens, 13 May 2021, KEJ, new sites
Erynnis persius, Jackson Co, 5 sites across county, 11-12 May 2021, KEJ, 4 new sites
Pholisora catullus, **Pepin Co**, low land farm, 20 Jul 2021, ASB, feeding on clover

Lycaenidae:

Callophrys henrici, Jackson Co, Clear Creek & Staffon Barrens, 11-12 May 2021, KEJ
Callophrys irus, Jackson Co, 2 sites in Jackson County Forest, 11 May 2021, KEJ, 1 new site
Glaucopsyche lygdamus, **Eau Claire Co**, Canoe Landing Prairie, 13 May 2021, KEJ

Noctuidae:

Achatia distincta, **Eau Claire Co**, Coon Fork Barrens, 13 May 2021, KEJ
Actebia fennica, Douglas Co, Wisconsin Point, 8 Aug 2021, LAF
Amyna stricta, **Brown Co**, Brown County Reforestation Camp, 10 Oct 2021, KEJ, uncommon stray, 4 specimens at MV sheet
Anicla infecta, Rock Co, Avon Bottoms Wildlife Area & Magnolia Bluff City Park, 18-19 Oct 2021, LAF
Apamea alia, **Columbia Co**, Swan Lake Barrens SNA, 14 Jun 2021, LAF
Apamea alia, Douglas Co, Wisconsin Point, 11 Jul 2021, LAF
Apamea relicina, Crawford Co, Hogback Prairie, 31 Aug 2021, KEJ
Apamea unanimitis, Columbia Co, Swan Lake Wet-Mesic Prairie SNA, 14 Jun 2021, LAF
Aplectoides condita, **Forest Co**, Lake Gordon Bog, 3 Jun 2021, LAF
Aplectoides condita, **Marinette Co**, bog NW of Goodman, 3 Jun 2021, LAF

Autographa flagellum, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Bellura vulnifica, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Calophasia lunula, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Chaetoglaea sericea, **Bayfield Co**, 5 mi N of Ino, 7 Sep 2021, LAF
Chrysodeixis includens, **Columbia Co**, Swan Lake Barrens SNA, 27 Sep 2021, LAF
Chrysodeixis includens, **Rock Co**, Avon Bottoms Wildlife Area, 26 Sep 2021, LAF
Chrysodeixis includens, **Shawano Co**, Navarino SWA, 11 Sep 2021, KEJ
Coenophila opacifrons, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 30 Aug 2021, LAF
Coenophila opacifrons, **Douglas Co**, Summit Twp (bog E of Hwy A), 8 Aug 2021, LAF
Coenophila opacifrons, **Iron Co**, bog on Hwy G 0.3 mi E of Bass Lake Rd, 8 Aug 2021, LAF
Cucullia omissa, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Diarsia jucunda, **Bayfield Co**, Bark Bay Slough SNA, 11 Jul 2021, LAF
Dichagyris grotei, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ
Enargia infumata, **Bayfield Co**, Bark Bay Slough SNA, 11 Jul 2021, LAF
Enargia infumata, **Columbia Co**, Lost Lake SNA, 3 Jul 2021, LAF
Enargia infumata, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Eremobina claudens, **Iron Co**, bog on Hwy G 0.3 mi E of Bass Lake Rd, 8 Aug 2021, LAF
Eupsilia schweitzeri, **Brown Co**, Red Banks Alvar, 21-22 Mar 2021, KEJ
Eutricopsis nexilis, **Eau Claire Co**, Canoe Landing Prairie, 13 May 2021, KEJ, 2nd WI record
Euxoa detersa, **Douglas Co**, Wisconsin Point, 7 Sep 2021, LAF
Euxoa manitobana, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Euxoa ochrogaster, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Euxoa pleuritica, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Euxoa sinelinea, **Douglas Co**, Wisconsin Point, 11 Jul-8 Aug 2021, LAF, **STATE RECORD**
Euxoa tessellata, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Euxoa velleripennis, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 30 Aug 2021, LAF
Euxoa velleripennis, **Douglas Co**, Summit Twp (bog E of Hwy A), 8 Aug 2021, LAF
Feltia mollis, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Feralia comstocki, **Oconto Co**, Little Suamico, 11 Apr-1 May 2021, KEJ, very early flight, typically in May
Hemipachnobia monochromatea, **Florence Co**, Jacquet Lake Bog, 3 Jun 2021, LAF
Hemipachnobia monochromatea, **Forest Co**, Lake Gordon Bog, 3 Jun 2021, LAF
Hemipachnobia monochromatea, **Marinette Co**, bog NW of Goodman, 3 Jun 2021, LAF
Hillia iris, **Green Co**, Liberty Creek Wildlife Area, 26 Sep 2021, LAF
Homoglaea hircina, **Oconto Co**, Little Suamico, 27 Feb-11 Apr 2021, KEJ, 1st Feb record at this location
Hydraecia micacea, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Lacinipolia saretta, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF, **STATE RECORD**
Laterologia ophiogramma, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 3 Jul 2021, LAF
Laterologia ophiogramma, **Milwaukee Co**, Wehr Nature Center, 18 Jun 2021, LAF
Leucania amygdalina, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 30 Aug 2021, LAF
Leucania amygdalina, **Forest Co**, Armstrong Creek Bog, 3 Jun 2021, LAF
Lithophane disposita, **Rock Co**, Avon Bottoms Wildlife Area, 19 Oct 2021, LAF
Lithophane fagina, **Brown Co**, Red Banks Alvar, 21 Mar 2021, KEJ
Lithophane georgii, **Oconto Co**, Little Suamico, 13 Mar 2021, KEJ, 3rd WI record and surprising southern range extension
Lithophane oriunda, **Brown Co**, Red Banks Alvar, 21 Mar 2021, KEJ
Lithophane petulca, **Brown Co**, Red Banks Alvar, 21 Mar 2021, KEJ
Lithophane semiusta, **Crawford Co**, Oak Coulee Woods, 31 Aug 2021, KEJ, very early date for southern WI
Lithophane tepida, **Eau Claire Co**, Coon Fork Barrens, 13 May 2021, KEJ
Lithophane thaxteri, **Iron Co**, Sandrock Road conifer swamp, 1 May 2021, LAF
Lithophane thujae, **Brown Co**, Red Banks Alvar, 22 Mar 2021, KEJ, few WI records
Lithophane thujae, **Iron Co**, Murray's Landing Cedar Swamp, 1 May 2021, LAF
Lithophane unimoda, **Brown Co**, Red Banks Alvar, 21 Mar 2021, KEJ
Macronoctua onusta, **Douglas Co**, Wisconsin Point, 7 Sep 2021, LAF
Macronoctua onusta, **Iron Co**, bog on Hwy G 0.3 mi E of Bass Lake Rd, 7 Sep 2021, LAF
Magusa divaricata, **Green Co**, Albany Wildlife Area, 26 Sep 2021, LAF
Magusa divaricata, **Rock Co**, Magnolia Bluff County Park, 18 Oct 2021, LAF
Melanchnra pulverulenta, **Florence Co**, Jacquet Lake Bog, 3 Jun 2021, LAF
Melanchnra pulverulenta, **Forest Co**, Lake Gordon Bog, 3 Jun 2021, LAF
Melanchnra pulverulenta, **Marinette Co**, bog NW of Goodman, 3 Jun 2021, LAF
Metaxaglaea inulta, **Green Co**, Albany Wildlife Area, 26 Sep 2021, LAF
Morrisonia confusa, **Oconto Co**, Little Suamico, 1 May 2021, KEJ
Oligia minuscula, **Douglas Co**, Summit Twp (bog E of Hwy A), 8 Aug 2021, LAF
Oligia minuscula, **Iron Co**, bog on Hwy G 0.3 mi E of Bass Lake Rd, 8 Aug 2021, LAF
Oligia obtusa, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Orthimella fidelis, **Grant Co**, 2.5 mi NW of Cassville, 26 Apr 2021, LAF, **STATE RECORD**
Papaipema cerussata, **Rock Co**, Avon Bottoms Wildlife Area, 26 Sep 2021, LAF, **STATE RECORD**
Papaipema eupatorii, **Rock Co**, Avon Bottoms Wildlife Area, 26 Sep 2021, LAF

Papaipema furcata, Crawford Co, Hogback Prairie, 31 Aug 2021, KEJ
Papaipema inquaesita, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 30 Aug 2021, LAF
Papaipema lysimachiae, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 30 Aug 2021, LAF
Papaipema lysimachiae, **Green Co**, Liberty Creek Wildlife Area, 26 Sep 2021, LAF
Papaipema lysimachiae, **Shawano Co**, Navarino SWA, 11 Sep 2021, KEJ
Papaipema marginidens, Richland Co, LWRSWA Lone Rock Unit, 29 Aug 2021, LAF
Papaipema maritima, **Columbia Co**, Swan Lake Barrens SNA, 27 Sep 2021, LAF
Papaipema nelita, Crawford Co, Hogback Prairie, 31 Aug 2021, KEJ
Papaipema nelita, Sauk Co, LWRSWA Bakken's Pond Unit, 29 Aug 2021, LAF
Papaipema nepheleptena, Green Co, Liberty Creek Wildlife Area, 26 Sep 2021, LAF
Papaipema rutila, Iowa Co, Clyde Twp, 29 Aug 2021, LAF
Papaipema speciosissima, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 30 Aug 2021, LAF
Papaipema speciosissima, **Shawano Co**, Navarino SWA, 11 Sep 2021, KEJ
Photedes includens, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 3 Jul 2021, LAF
Photedes panatela, Columbia Co, Swan Lake Wet-Mesic Prairie SNA, 14 Jun 2021, LAF
Photedes panatela, **Milwaukee Co**, Wehr Nature Center, 18 Jun 2021, LAF
Plusia magnimacula, **Columbia Co**, Swan Lake Wet-Mesic Prairie SNA, 14 Jun 2021, LAF
Plusia magnimacula, **Florence Co**, Jacquet Lake Bog, 3 Jun 2021, LAF
Ponometia binocula, Crawford Co, Rush Creek SNA, 30 Aug 2021, KEJ
Protolampra rufipectus, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF, **STATE RECORD**
Psaphida rolandi, Oconto Co, Little Suamico, 22 Mar-7 Apr 2021, KEJ, early flight, 28 Mar previous date
Schinia florida, **Douglas Co**, Wisconsin Point, 11 Jul 2021, LAF
Schinia septentrionalis, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ, 5th WI county
Sympistis chionanthi, **Iron Co**, bog on Hwy G 0.3 mi E of Bass Lake Rd, 8 Aug 2021, LAF
Syngrapha epigaea, Douglas Co, Summit Twp (bog E of Hwy A), 8 Aug 2021, LAF
Syngrapha microgamma, Florence Co, Jacquet Lake Bog, 3 Jun 2021, LAF
Syngrapha microgamma, Marinette Co, bog NW of Goodman, 3 Jun 2021, LAF
Syngrapha rectangula, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Syngrapha viridisigma, **Douglas Co**, Wisconsin Point, 8 Aug 2021, LAF
Tricholita notata, Crawford Co, Hogback Prairie, 31 Aug 2021, KEJ
Trichordestra rugosa, Florence Co, Jacquet Lake Bog, 3 Jun 2021, LAF
Trichordestra rugosa, **Forest Co**, Armstrong Creek Bog, 3 Jun 2021, LAF
Xylena nupera, **Brown Co**, Red Banks Alvar, 22 Mar 2021, KEJ
Xylotype arcadia, **Iron Co**, bog on Hwy G 0.3 mi E of Bass Lake Rd, 7 Sep 2021, LAF
Xystocheilus rufago, **Jackson Co**, Staffon Barrens, 12 May 2021, LAF

Nolidae:

Nycteola frigidana, Vilas Co, Rummels Rd Barrens, W of Hwy 45, 1 May 2021, LAF
Nycteola metaspilella, **Oconto Co**, Little Suamico, 1 May 2021, KEJ, northerly record

Notodontidae:

Gluphisia avimacula, **Clark Co**, Camp Globe Barrens, 13 May 2021, KEJ
Gluphisia avimacula, **Eau Claire Co**, Coon Fork Barrens, 13 May 2021, KEJ
Schizura badia, **Milwaukee Co**, Wehr Nature Center, 18 Jun 2021, LAF

Nymphalidae:

Argynnis idalia, Crawford Co, Hogback Prairie, 1 Sep 2021, KEJ, locally common, females observed ovipositing

Papilionidae:

Heraclides crespontes, Buffalo Co, near Nelson, 19 Jul 2021, ASB, nectaring on cone flowers
Heraclides crespontes, Pepin Co, low land farm, 20 Jul 2021, ASB, puddling on mud, mating
Pterourus glaucus, Buffalo Co, near Nelson, 19 Jul 2021, ASB, nectaring on thistle and Queen Anne's lace
Pterourus glaucus, Pepin Co, low land farm, 20 Jul 2021, ASB, feeding on thistle
Pterourus glaucus, Waukesha Co, Lapham Peak Prairie, 17 Jul 2021, ASB, feeding on bee balm in prairie habitat

Psychidae:

Psyche casta, Marinette Co, Bloch Oxbow & Pines, 8 Jan 2021, KEJ, case found under bark
Psyche casta, **Racine Co**, Sanders Park, 1 Jan 2021, KEJ, case found under bark
Siederia walshella, **Marinette Co**, Bloch Oxbow & Pines, 8 Jan 2021, KEJ, case found under bark

Saturniidae:

Hyalophora columbia, Forest Co, Armstrong Creek Bog, 3 Jun 2021, LAF

Sphingidae:

Hemaris aethra, **Clark Co**, Camp Globe Barrens, 13 May 2021, KEJ
Manduca sexta, **Douglas Co**, Wisconsin Point, 7 Sep 2021, LAF
Sphinx gordius, Columbia Co, Swan Lake Wet-Mesic Prairie SNA, 14 Jun 2021, LAF

Tineidae:

Niditinea sabroskyi, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ

Tortricidae:

Acleris bowmanana, Oconto Co, Rodenhorst Pine Plains, 8 Mar 2021, KEJ, flying with temps below freezing, common
Acleris oxycoccana, **Oconto Co**, Machickanee Flowage, 23 Feb 2021, KEJ, flying in mostly snow-covered bog
Argyrotaenia juglandana, **Crawford Co**, Rush Creek SNA, 30 Aug 2021, KEJ

Barbara mappana, **Oconto Co**, Little Suamico, 1 May 2021, KEJ, **STATE RECORD**
Coelostathma discopunctana, **Crawford Co**, Rush Creek SNA, 30 Aug 2021, KEJ
Epinotia septemnerana, **Shawano Co**, Navarino SWA, 11 Sep 2021, KEJ
Epinotia zandana, **Oconto Co**, Little Suamico, 22 Mar 2021, KEJ
Gretchena watchungana, **Eau Claire Co**, Coon Fork Barrens, 13 May 2021, KEJ
Pseudexentera costumaculana, **Brown Co**, Brown County Reforestation Camp, 23 Apr 2021, KEJ, few WI records
Xenotemna pallorana, **Crawford Co**, Hogback Prairie, 31 Aug 2021, KEJ

Zone 9: Southeast: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia

Coordinator: Brian G. Scholtens

Contributors: James K. Adams (JKA), Peter W. Anderson (PWA), Tom Austin (TA1), Anna Bennett (AB), Steven B. Biggers (SBB), Debo Boddiford (DB4), Bob Borth (RJB), Jennifer Buchanan (JB6), Matt Campbell (MC2), Ken Carman (KC2), R. Clement (RC5), Roy Cohutta (RC4), Noelle & Don Congdon (NDC), Adrian Cotter (AC1), Sydney Davis (SD3), Elizabeth DeLanghe (ED), Lance Durden (LAD), Hilda Flamholtz (HF), Kim Fleming (KF), Michael Frometa (MF3), Robert Gilson (RGI), Jared Gorrell (JG6), John Grego (JG5), Evan Grimes (EG), John Hyatt (JAH), Michael L. Israel (MLI), Bill King (BK1), Andrew Lazenby (ANL), Teresa Lott (TL), Craig W. Marks (CWM), Tracy Martin (TM2), Tony McBride (TM1), Kim McManus (KM), Debbie Myers (DM7), Bill Murphy (BM5), Rick Owen (RO), Ricky Patterson (RLP), B. Penney (BP), Rick Rauppis (RR), Joe Riddlebarger (JR1), Neil Rulien (NR2), Mark Salvato (MS6), Amelia Sides (AS5), Jeff Slotten (JRS), Adam Smith (AS7), Lois Stacey (LS), Rich Stevenson (RS6), Adrian Stewart (AS6), Will Stuart (WS1), Raul Urgelles (RU), Svetlana Varchenko (SW2), Sharon Watson (SW), C. L. Watts (CLW), Christopher R. Wilson (CRW), James E. Wilson (JEW), Peter Wilson (PW), Rusty Wilson (RWI), John Zemaitis (JZ1)

Unlike most of NA, in 2021 the Southeast experienced near normal or just above normal temperatures and significant rainfall, with much of the Gulf Coast above normal for precipitation. Only peninsular FL and the piedmont of NC had below average rainfall. For the 2nd consecutive year, LA and MS experienced a Category 4 hurricane, Hurricane Ida, which hit on Aug 29 significantly contributing to the high rainfall levels.

Butterfly reports remained consistent with only a handful of state and county records reported. Significant moth sampling occurred in both SC and GA. BGS conducted an extensive survey on Spring Island in Beaufort, Co., SC, spending one weekend each month except July on the Island. This is a private, ecologically friendly development with about 1/3 of the island in nature preserves. Habitats include extensive salt marsh, maritime forest, long-leaf pine restorations, some limited deciduous forest on calcareous sites, and a handful of open fields. This county was nearly unsampled before the survey. JKA and LAD sampled intensively at several state-managed areas in central GA, providing many interesting species records.

RECORDS:

Arkansas:

Tortricidae:

Olethreutes osmundana, **Garland Co**, 408 Long Island Dr, Hot Springs, 9 May 2021, AB, **STATE RECORD**, first W of Mississippi River

Georgia:

Cossidae:

Inguromorpha basalis, **Bulloch Co.**, Canoochee Sandhills WMA, 9-10 May 2021, LAD, very few in GA

Crambidae:

Compacta capitalis, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 25 May-27 Jun 2021, JKA, specimens 3-8 from the state

Condylorrhiza vestigialis, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA, LAD

Palpita arsaltealis, Wheeler Co., Alligator Creek WMA, 10 Apr 2021, LAD

Parapoynx obscuralis, **Bulloch Co.**, Canoochee Sandhills WMA, 14-15 Mar 2021, LAD

Syngamia florella, **Gordon Co.**, Calhoun (JKA residence), 12 Oct 2021, JKA

Erebidae:

Catocala alabamae, **Bulloch Co.**, Canoochee Sandhills WMA, 10-11 Jun 2021, LAD
Catocala alabamae, Wheeler Co., Alligator Creek WMA, 15-22 May 2021, JKA, RJB, JRS, few NW GA records, 1st time common
Catocala amestris, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 26-27 Jun 2021, JKA, 2nd from this location, less than 5 from state
Catocala carissima, Long Co., Townsend North WMA, 2-4 Oct 2021, JKA, LAD, 2nd time at this location
Catocala delilah, McIntosh Co., Sapelo Island, 17-20 May 2021, LAD, few records in GA
Catocala grisatra, Wheeler Co., Alligator Creek WMA, 15-22 May 2021, JKA, RJB, LAD, only time encountered in GA
Catocala habilis, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 1-8 Aug 2021, JKA, 2nd time in NW GA
Catocala innubens, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 1-2 Aug 2021, JKA, few in GA
Catocala lincolnana, Wheeler Co., Alligator Creek WMA, 15-22 May 2021, RJB, 4th record from GA
Catocala louiseae, **Bulloch Co.**, Canoochee Sandhills WMA, 10-11 Jun 2021, LAD
Catocala louiseae, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, JKA, RJB, JRS, few in known in state
Catocala marmorata, **Union Co.**, Brasstown Bald, SW corner of parking lot at 4300', 5-6 Jun 2021, JKA, BM5, 3rd location in GA
Catocala mira, **Walker Co.**, Taylor's Ridgeline, 5 mi W of Villanow, 20-21 Jun 2021, JKA, few from N GA
Catocala mira, Wheeler Co., Alligator Creek WMA, 15-22 May 2021, RJB, very uncommon in NW GA
Catocala miranda, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 12-13 Jun 2021, JKA, 4 specimens, extremely uncommon in GA
Catocala muliercula, **Bulloch Co.**, Canoochee Sandhills WMA, 10-11 Jun 2021, LAD
Catocala orba, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, LAD, uncommon in GA
Catocala praeclara charlotti, **Walker Co.**, Alligator Creek WMA, 15-22 May 2021, JKA, several records
Catocala pretiosa, Whitfield Co., Alligator Creek WMA, 15-22 May 2021, JKA, few records in GA
Cissusa spadix, **Long Co.**, Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA, 1st Dec record
Cisthene kentuckiensis, **Long Co.**, Townsend North WMA, 2-4 Oct 2021, LAD, few in state
Cyrcia collaris, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 30 Jun-1 Jul 2021, JKA, few records in GA
Dasychira leucophaea, **Bulloch Co.**, Canoochee Sandhills WMA, 9-10 May 2021, LAD, very few in GA
Hypenodes franclemonti, **Long Co.**, Townsend North WMA, 2-4 Oct 2021, JKA, LAD
Hypocala andremona, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 25-26 Oct 2021, JKA, few records in N GA, late record
Idia gopheri, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, JKA, JRS
Melipotis fasciolaris, Wheeler Co., Alligator Creek WMA, 9-10 Sep 2021, JKA, few records in GA
Phoberia atomaris, Bulloch Co., Canoochee Sandhills WMA, 14-15 Dec 2021, LAD, early flight in winter
Phoberia ingenua, **Wheeler Co.**, Alligator Creek WMA, 27-28 Feb 2021, LAD
Phytometra ernestinana, Wheeler Co., Alligator Creek WMA, 27-28 Feb 2021, LAD, uncommon in GA
Ptichodis pacalis, **McIntosh Co.**, Sapelo Island, 7-10 Apr 2021, JKA, island record
Sigela rosea, **Long Co.**, Townsend North WMA, 2-4 Oct 2021, JKA, LAD, newly described, present in multiple places in GA
Sigela rosea, Long Co., Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA, 1st winter record

Gelechiidae:

Dichomeris fistuca, **Wheeler Co.**, Alligator Creek WMA, 10-11 Apr 2021, LAD

Geometridae:

Cladara limitaria, **Bulloch Co.**, Statesboro, 26-28 Feb 2021, LAD, few from S GA
Cyclophora culicaria, **Bulloch Co.**, Canoochee Sandhills WMA, 10-11 Jun 2021, LAD, 4th location in GA
Cyclophora myrtaria, **Whitfield Co.**, Rocky Face Ridgeline, just SW of Dalton, 30 Sep-1 Oct 2021, JKA, 1st record from N GA
Eulithis molliculata, **Towns Co.**, Brasstown Bald, Powerline cut at 3600', 23-26 Jun 2021, JKA, 2nd location in GA
Eupithecia peckorum, **Long Co.**, Townsend North WMA, 2-4 Oct 2021, JKA, LAD
Glena cognataria, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA, LAD
Iridopsis humaria, **Long Co.**, Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA, 1st non-summer record, not many in GA
Lytrosis permagnaria, **Towns Co.**, Brasstown Bald, Powerline cut at 3600', 5-6 Jun 2021, JKA, NR2
Macaria coortaria, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, JKA, RJB, JRS, 2nd location in GA, common
Metarranthis lateritiaria, **Bulloch Co.**, Canoochee Sandhills WMA, 9-10 May 2021, LAD, uncommon in S GA
Nemoria catachloa, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA, LAD
Nemoria outina, **Bulloch Co.**, Canoochee Sandhills WMA, 10-11 Jun 2021, LAD, farthest N in GA
Scopula aemulata, **Bulloch Co.**, Canoochee Sandhills WMA, 11-12 Feb 2021, LAD
Scopula aemulata, Bulloch Co., Statesboro, 26-28 Feb 2021, LAD, 2nd record for county
Synchlora cupedinaria, **Ware Co.**, Dixon Memorial Forest WMA, just E of Laura Walker Lake, 7-8 Jun 2021, JKA, BM5, NR2, 2nd location in GA
Xanthorhoe iduata, Towns Co., Brasstown Bald, sharp curve in road at 4200', 5-6 Jun 2021, JKA, BK1, one of 2 locations in GA

Hesperiidae:

Amblyscirtes belli, **Walker Co.**, Crockford-Pigeon Mountain WMA, 4 May 2021, JKA, very uncommon in GA
Euphyes dion, **Whitfield Co.**, Dalton, Lakeshore Park, 13-17 Sep 2021, JKA, local in GA
Hylephila phyleus, **Union Co.**, 718 Hidden Lake Rd, Blairsville, 34.832806N 84.009878W, 1 Oct 2021, JR1, on butterfly bush
Megathymus cofaqui, **Talbot Co.**, Chattahoochee Fall Line WMA, Almo Blackjack Tracts, 17 May 2021, RC4, new early record, few recent adult records
Urbanus proteus, **Union Co.**, 718 Hidden Lake Rd, Blairsville, 34.832806N 84.009878W, 17 Sep 2021, JR1, on butterfly bush

Lasiocampidae:

Heteropacha rileyana, Gordon Co., Calhoun (JKA residence), 30 Jun 2021, JKA, uncommon in GA

Limacodidae:

Euclea nanina, Gordon Co., Calhoun (JKA residence), 30 Jun 2021, JKA, uncommon in N GA
Packardia elegans, **Union/Towns Co.**, Brasstown Bald, S end of parking lot at 4300', 23-26 Jun 2021, JKA

Lycaenidae:

Satyrium favonius, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, JKA

Satyrium liparops, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, JKA

Noctuidae:

Acherdoa ferraria, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA, LAD, 2nd location in state

Acronicta connecta, **Wheeler Co.**, Alligator Creek WMA, 9-10 Sep 2021, JKA

Acronicta superans, **Towns Co.**, Brasstown Bald, Powerline cut at 3600', 23-26 Jun 2021, JKA, 2nd location in GA

Acronicta superans, **Towns Co.**, Brasstown Bald, sharp curve in road at 4200', 23-26 Jun 2021, JKA, one of 2 locations in GA

Bellura anoa, Bulloch Co., Statesboro, Bird Pond, 14-15 Apr 2021, LAD, uncommon in GA

Bellura anoa, McIntosh Co., Sapelo Island, 7-10 Apr 2021, JKA, 2nd island record, few records in GA

Cerma cora, **Bulloch Co.**, Canoochee Sandhills WMA, 14-15 Mar 2021, LAD

Chaetagnela rhonda, **Long Co.**, Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA, few in state

Cherokeea sp., McIntosh Co., Sapelo Island, 17-20 May 2021, JKA, LAD, JAH, in cane, 13 specimens

Cirrhophanus triangulifer, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 28-29 Aug 2021, JKA, 13 specimens, uncommon in GA

Condica claufacta, **Wheeler Co.**, Alligator Creek WMA, 10-11 Oct 2021, JKA, LAD, JRS

Condica cupentia, **Wheeler Co.**, Alligator Creek WMA, 9-10 Sep 2021, JKA

Derrima stellata, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA, not the spring "henrietta"

Emarginea percara, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 26 Jun-29 Aug 2021, JKA, one of several recent in N GA

Epiglaea apiata, **Long Co.**, Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA, 4th location in state

Eucrotopcnemis dapsilis, **Wheeler Co.**, Alligator Creek WMA, 10-11 Oct 2021, JKA, LAD, JRS

Fagitana littera, **Bulloch Co.**, Canoochee Sandhills WMA, 10-11 Jun 2021, LAD, very few in GA

Feltia floridensis, **Long Co.**, Townsend North WMA, 2-4 Oct 2021, JKA, LAD

Feltia manifesta, **Bulloch Co.**, Canoochee Sandhills WMA, 14-15 Mar 2021, LAD

Globia oblonga, McIntosh Co., Sapelo Island, 17-20 May 2021, JKA, LAD, JAH, 2nd island record

Gonodes liquida, McIntosh Co., Sapelo Island, 7-10 Apr 2021, JKA, LAD, JAH, 3rd & 4th island records

Heliothis lupatus, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 30 Jun-1 Jul 2021, JKA, earliest record

Hyppa contrasta, **Union Co.**, Brasstown Bald, SW corner of parking lot at 4300', 5-6 Jun 2021, JKA, BM5, uncommon at higher elevations

Leucania pilipalpis, **Long Co.**, Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA

Lithophane laceyi, Bulloch Co., Statesboro, 11-12 Feb 2021, LAD, 2nd record for county, very uncommon in GA

Lithophane patefacta, Bulloch Co., Statesboro, 11-12 Feb 2021, LAD, very few from S GA

Mythimna sequax, **McIntosh Co.**, Sapelo Island, 17-20 May 2021, JKA, **STATE RECORD**

Papaipema arctivorens, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 5-6 Sep 2021, JKA, 3rd record for this location

Papaipema cataphracta, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 25-26 Oct 2021, JKA, uncommon in state

Papaipema duplicata, **Walker Co.**, Crockford-Pigeon Mountain WMA, 6 Jul-25 Sep 2021, TM1, **STATE RECORD**, larva collected on early date out of *Polymnia*, emerged on late date

Parapamea buffaloensis, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA, LAD, 3rd location in state

Phlogophora iris, **Union Co.**, Brasstown Bald, SW corner of parking lot at 4300', 5-6 Jun 2021, JKA, BM5, one of 3 locations in GA

Photedes enervata, McIntosh Co., Sapelo Island, 17-20 May 2021, JKA, LAD, JAH, 2nd island record, very few in state

Pyreferra slotteni, **Gordon Co.**, Calhoun (JKA residence), 28 Feb-12 Apr 2021, JKA, newly described, probably widespread in GA

Pyrrhia aurantiago, **Long Co.**, Townsend North WMA, 10 Sep-4 Oct 2021, JKA, LAD, uncommon in GA

Pyrrhia aurantiago, **Wheeler Co.**, Alligator Creek WMA, 10-11 Oct 2021, JKA, LAD, JRS, uncommon in GA

Schinia thoreau, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 5-6 Sep 2021, JKA, 1st N GA record in many years, uncommon in GA

Spodoptera albula, **Wheeler Co.**, Alligator Creek WMA, 10-11 Oct 2021, JKA, LAD, JRS, only known from this location in GA

Sympistis badistriga, **Wheeler Co.**, Alligator Creek WMA, 15-22 May 2021, JKA, RJB, LAD

Sympistis eleaner, McIntosh Co., Sapelo Island, 17-20 May 2021, JKA, LAD, JAH, latest date

Zale aeruginosa, **Wheeler Co.**, Alligator Creek WMA, 3 mi N of Lumber City, 28-29 Dec 2021, JKA, 1st Dec record in GA

Nolidae:

Meganola georgei, **Long Co.**, Townsend North WMA, 8 mi SE of Lucowici, 26-28 Dec 2021, JKA, recently described from FL

Notodontidae:

Hyparpax perophoroides, **Long Co.**, Townsend North WMA, 10-12 Sep 2021, JKA

Tecmessa scitiscrupta, Whitfield Co., Rocky Face Ridgeline, just SW of Dalton, 13-14 Aug 2021, JKA, single specimen for 2nd year

Pieridae:

Pieris virginianensis, **Lumpkin Co.**, Jct US19 & US129, 34.66305N 83.901039W, 12 Mar 2021, JR1, Riverside Tavern at Turners Corner on the bank of the Chestatee River, 1531'

Psychidae:

Basiladus tracyi, **Bulloch Co.**, Canoochee Sandhills WMA, 9-10 May 2021, LAD, few records in GA

Basiladus tracyi, **Wheeler Co.**, Alligator Creek WMA, 14-15 Mar 2021, LAD, few records in GA

Prochalia pygmaea, **Bulloch Co.**, Canoochee Sandhills WMA, 9-10 May 2021, LAD

Saturniidae:

Hyalophora cecropia, McIntosh Co., Sapelo Island, 7-10 Apr 2021, JKA, island record

Hyalophora cecropia, **Wheeler Co.**, Alligator Creek WMA, 10-11 Apr 2021, LAD

Sesiidae:

Synanthedon kathyae, **Union Co.**, Misty Mountain Cabins, 23-26 Jun 2021, JKA

Sphingidae:

Manduca jasmineearum, Walker Co., Taylor's Ridgeline, 5 mi W of Villanow, 3-4 Jun 2021, BK1, BM5, NR2, several, uncommon in GA

Tortricidae:

Eucosma litorea, Wheeler Co., Alligator Creek WMA, 27 Feb & 11 Sep 2021, JKA, LAD, JRS, multiple generations
Pelochrista quinquemaculana, Long Co., Townsend North WMA, 10-12 Sep 2021, JKA, LAD, JRS

Louisiana:

Erebidae:

Catocala cara carissima, East Feliciana Parish, Asphodel Plantation, S. Jackson, 1 Jun 2021, MLI
Haploa clymene, East Feliciana Parish, Asphodel Plantation, S. Jackson, 22 Jul 2021, MLI

Noctuidae:

Alypia octomaculata, West Feliciana Parish, W. Weyanoke, 29 Mar 2021, MLI
Amphipyra pyramidoidea, East Feliciana Parish, Asphodel Plantation, S. Jackson, 11 Oct 2021, MLI

Saturniidae:

Dryocampa rubicunda, East Feliciana Parish, Asphodel Plantation, S. Jackson, 17 Jun 2021, MLI

Sphingidae:

Enyo lugubris, East Baton Rouge Parish, Baton Rouge, 11 Sep 2021, MLI
Eumorpha pandorus, Iberville Parish, Rosedale, 30 Apr 2021, MLI

Mississippi:

Erebidae:

Catocala angusi, Lee Co., NE of Palmetto community, 7 Aug 2021, RLP, tapping trees in oak-hickory forest
Catocala lacrymosa, Yalobusha Co., Co Rd 149, 33.8912N 89.5340W, 8 Aug 2021, RLP
Catocala luctuosa, Lowndes Co., Crawford, 29 Jul 2021, RLP, tapping trees in oak-hickory forest
Catocala maestosa, Lowndes Co., Crawford, 29 Jul 2021, RLP, tapping trees in oak-hickory forest
Catocala robinsonii, Lowndes Co., Crawford, 29 Jul 2021, RLP, tapping trees in oak-hickory forest
Catocala vidua, Lee Co., NE of Palmetto community, 7 Aug 2021, RLP, tapping trees in oak-hickory forest
Dasychira dominickaria, Jackson Co., Grand Bay NWR (under permit), 5 Oct 2021, RLP

Hesperiidae:

Euphyes arpa arpa, Jackson Co., MS Sandhill Crane NWR (under permit), 5 Oct 2021, RLP, 1st MS record since 1988
Euphyes berryi, Jackson Co., Grand Bay NWR (under permit), 10 Sep-5 Oct 2021, RLP, end of flight late for MS
Euphyes pilatka pilatka, Jackson Co., Grand Bay NWR (under permit), 10 Sep 2021, RLP

Noctuidae:

Papaipema stenocelis, Jackson Co., Grand Bay NWR (under permit), 10 Sep 2021, RLP, **STATE RECORD**, det by Quinter

Nymphalidae:

Anartia jatrophae quantanamo, Harrison Co., Pass Christian, 20 Nov 2021, CWM, photo record
Heliconius charithonia tuckeri, Hancock Co., Ocean Springs, 11 Sep 2020, PWA, photo record, 1st record for MS since 1956 (same location)
Heliconius charithonia tuckeri, Harrison Co., Pass Christian, 3 Dec 2021, JB6, photo record, 2nd record since 1956

Sesiidae:

Carmenta anthracipennis, Oktibbeha Co., Osborne Prairie, 11 May-20 Jun 2020, RLP, pheromone trap
Vitacea polistiformis, Warren Co., Vicksburg, 24 Jun 2020, RLP, pheromone trap

South Carolina:

Argyresthiidae:

Argyresthia austerella, Beaufort Co., Spring Island, 13 Mar-16 Apr 2021, BGS
Argyresthia subreticulata, Beaufort Co., Spring Island, 17 Apr & 11 Dec 2021, BGS

Autostichidae:

Autosticha kyotensis, Beaufort Co., Spring Island, 11 Jun & 26 Sep 2021, BGS
Gerdana caritella, Beaufort Co., Spring Island, 17 Apr & 11 Dec 2021, BGS
Glyphidocera democratica, Beaufort Co., Spring Island, 14 May 2021, BGS, **STATE RECORD**
Glyphidocera dimorphella, Beaufort Co., Spring Island, 26 Sep 2021, BGS
Glyphidocera foridanella, Beaufort Co., Spring Island, 14 Aug 2021, BGS, **STATE RECORD**
Glyphidocera juniperella, Beaufort Co., Spring Island, 17 Apr & 26 Sep 2021, BGS
Glyphidocera lactiflosella, Beaufort Co., Spring Island, 13 Aug 2021, BGS
Taygete gallaegenitella, Beaufort Co., Spring Island, 15 May & 25 Sep 2021, BGS

Batrachedridae:

Batrachedra busiris, Beaufort Co., Spring Island, 11 Nov-10 Dec 2021, BGS, **STATE RECORD**
Batrachedra decoctor, Beaufort Co., Spring Island, 27 Feb & 14 Aug 2021, BGS, **STATE RECORD**
Batrachedra testor, Beaufort Co., Spring Island, 13 Mar-17 Apr 2021, BGS, **STATE RECORD**
Homaledra knudsoni, Beaufort Co., Spring Island, 25 Sep 2021, BGS, **STATE RECORD**

Blastobasidae:

Blastobasis glandulella, **Beaufort Co.**, Spring Island, 16 Apr & 16 Oct 2021, BGS
Calosima dianella, **Beaufort Co.**, Spring Island, 12-13 Mar 2021, BGS
Holcocera immaculella, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS

Bucculatricidae:

Bucculatrix coronatella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Bucculatrix recognita, **Beaufort Co.**, Spring Island, 17 Apr & 11 Dec 2021, BGS

Coleophoridae:

Coleophora cratipennella, **Beaufort Co.**, Spring Island, 16 Apr 2021, BGS

Cosmopterigidae:

Cosmopterix clemensella, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Cosmopterix floridanella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Cosmopterix scirpicola, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Euclementia bassettella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Melanocinclis lineigera, **Beaufort Co.**, Spring Island, 15 May & 14 Aug 2021, BGS
Melanocinclis vibex, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS, **STATE RECORD**
Perimede erransella, **Beaufort Co.**, Spring Island, 17 Apr & 11 Dec 2021, BGS
Pyroderces badia, **Beaufort Co.**, Spring Island, 11 Jun & 11 Dec 2021, BGS
Siskiwitia falcata, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS, **STATE RECORD**
Stagmatophora sexnotella, **Beaufort Co.**, Spring Island, 17 Apr & 13 Aug 2021, BGS
Stilbosis quadricustatella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS, **STATE RECORD**
Stilbosis venifica, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS, **STATE RECORD**
Teladoma helianthi, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Triclonella pergandeella, **Beaufort Co.**, Spring Island, 16 Apr 2021, BGS
Walshia miscecolorella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Cossidae:

Givira francesca, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Prionoxystus robiniae, **Beaufort Co.**, Spring Island, 18 Apr 2021, BGS

Crambidae:

Anania leuschneri, **Beaufort Co.**, Spring Island, 18 Apr 2021, BGS
Ategumia ebulealis, **Beaufort Co.**, Spring Island, 25 Sep-11 Nov 2021, BGS
Blepharomastix ranalis, **Beaufort Co.**, Spring Island, 16 Apr & 16 Oct 2021, BGS
Chilo demotellus, **Beaufort Co.**, Spring Island, 11 Jun & 14 Aug 2021, BGS
Chilo erianthalis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Chrysendeton kimballi, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Crambus praefectellus, **Beaufort Co.**, Spring Island, 15 May & 16 Oct 2021, BGS
Crambus satrapellus, **Beaufort Co.**, Spring Island, 26 Sep & 11 Dec 2021, BGS
Desmia funeralis, **Beaufort Co.**, Spring Island, 18 Apr & 14 Aug 2021, BGS
Diacme adipaloides, **Beaufort Co.**, Spring Island, 27 Feb 2021, BGS
Diasemiodes janassialis, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Diasemiodes nigralis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Diasemiopsis leodocusalis, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Diatraea evanescens, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Diatraea lisetta, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Dicymolomia julianalis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Donacaula nov. sp., **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Donacaula nitidellus, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS
Donacaula sordidellus, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Donacaula unipunctellus, **Beaufort Co.**, Spring Island, 17 Apr & 12 Nov 2021, BGS
Elophila faulalis, **Beaufort Co.**, Spring Island, 11 Nov 2021, BGS
Elophila gyralis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Elophila oblitalis, **Beaufort Co.**, Spring Island, 27 Feb & 16 Oct 2021, BGS
Elophila tinealis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Eoparargyractis irroratalis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Eoreuma densellus, **Beaufort Co.**, Spring Island, 13 Aug-26 Sep 2021, BGS
Epipagis fenestralis, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Eudonia strigalis, **Beaufort Co.**, Spring Island, 14 Aug-25 Sep 2021, BGS
Fissicrambus mutabilis, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Fissicrambus profanellus, **Beaufort Co.**, Spring Island, 26 Feb & 17 Apr 2021, BGS
Glaphyria glaphyralis, **Beaufort Co.**, Spring Island, 11 Jun-13 Aug 2021, BGS
Glaphyria sesquialis, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Hahncappisia mancalis, **Beaufort Co.**, Spring Island, 15 May-11 Jun 2021, BGS
Haimbachia squamulellus, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Herpetogramma bipunctalis, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Herpetogramma fluctuosalis, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Herpetogramma phaeopteralis, **Beaufort Co.**, Spring Island, 26 Sep & 11 Dec 2021, BGS

Hymenia perspectalis, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Lipocosmodes fuliginosalis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Microcrambus minor, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Neodactria zeellus, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Ostrinia penitalis, **Beaufort Co.**, Spring Island, 18 Apr-11 Jun 2021, BGS
Palpita magniferalis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Parapoynx allionealis, **Beaufort Co.**, Spring Island, 13 Mar & 17 Oct 2021, BGS
Parapoynx diminutalis, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Pleuroptya silicalis, **Beaufort Co.**, Spring Island, 25 Sep-16 Oct 2021, BGS
Pyrausta bicoloralis, **Beaufort Co.**, Spring Island, 25-26 Sep 2021, BGS
Pyrausta laticlavata, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Pyrausta phoenicealis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Raphiptera argillaceellus, **Beaufort Co.**, Spring Island, 17 Apr & 10 Dec 2021, BGS
Rhectocraspeda periusalis, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Samea ecclesialis, **Beaufort Co.**, Spring Island, 14 Aug & 11 Dec 2021, BGS
Scoparia dominicki, **Beaufort Co.**, Spring Island, 16 Apr & 11 Jun 2021, BGS
Syngamia florella, **Beaufort Co.**, Spring Island, 25 Sep-11 Nov 2021, BGS
Xubida linearellus, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Xubida panalope, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Depressariidae:

Antaeotricha schlaegeri, **Beaufort Co.**, Spring Island, 12 Mar & 16 Oct 2021, BGS

Erebidae:

Ablemma brimleyana, **Beaufort Co.**, Spring Island, 15 May & 26 Sep 2021, BGS
Amolita fessa, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Amolita obliqua, **Beaufort Co.**, Spring Island, 17 Apr & 11 Nov 2021, BGS
Apantesis phalerata, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Apantesis vittata, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Argyrostromis sylvarum, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Arugisa latiorella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Arugisa lutea, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Bleptina caradrinalis, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Bleptina inferior, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Bleptina sangamonica, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Catocala andromedae, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Catocala epione, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Catocala lineella, **Beaufort Co.**, Spring Island, 11-12 Jun 2021, BGS
Catocala muliercula, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Cissusa spadix, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Clemensia ochreatea, **Beaufort Co.**, Spring Island, 26 Feb & 10 Dec 2021, BGS, **STATE RECORD**, newly identified
Crambidia pallida, **Beaufort Co.**, Spring Island, 14 May & 16 Oct 2021, BGS
Dasychira tephra, **Beaufort Co.**, Spring Island, 14 Aug-25 Sep 2021, BGS
Doryodes spadaria, **Beaufort Co.**, Spring Island, 10 Dec 2021, BGS
Eublemma minima, **Beaufort Co.**, Spring Island, 14 Aug & 16 Oct 2021, BGS
Gabara distema, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Halysidota tessellaris, **Beaufort Co.**, Spring Island, 16 Apr & 14 Aug 2021, BGS
Hemeroplanis scopulepes, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Hypena baltimoralis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Hypena bijugalis, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Hypena degasalis, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Hypena manalis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Hypena sordidula, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Hypenodes franclemonti, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS
Hyperstrotia pervertens, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Hypoprepia fucosa, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Hypsoropha monilis, **Beaufort Co.**, Spring Island, 16-18 Apr 2021, BGS
Idea aemula, **Beaufort Co.**, Spring Island, 15 Jan & 14 Aug 2021, BGS
Idia americanalis, **Beaufort Co.**, Spring Island, 11 Jun & 11 Nov 2021, BGS
Idia diminuendis, **Beaufort Co.**, Spring Island, 16 Apr & 26 Sep 2021, BGS
Idia rotundalis, **Beaufort Co.**, Spring Island, 17 Apr & 16 Oct 2021, BGS
Lascoria ambigualis, **Beaufort Co.**, Spring Island, 12 Mar & 11 Nov 2021, BGS
Lesmone hinna, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Macrochilo hypocritalis, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Macrochilo orciferalis, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Metalectra discalis, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Metalectra quadrisignata, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Mocis marcida, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS

Nigetia formosalis, **Beaufort Co.**, Spring Island, 16 Apr & 16 Oct 2021, BGS
Oruza albocostaliata, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Palthis angulalis, **Beaufort Co.**, Spring Island, 17 Apr & 11 Dec 2021, BGS
Palthis asopialis, **Beaufort Co.**, Spring Island, 17 Apr & 11 Dec 2021, BGS
Pangrapta decoralis, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Panopoda repanda, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Panopoda rufimargo, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Parallelia bistriaris, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Phalaenostola larentioides, **Beaufort Co.**, Spring Island, 14 Aug-26 Sep 2021, BGS
Phoberia atomarlis, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Ptichodis vinculum, **Beaufort Co.**, Spring Island, 28 Feb & 26 Sep 2021, BGS
Redectis pygmaea, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Redectis vitrea, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Renia adspersigillus, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Renia discoloralis, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Renia fraternalis, **Beaufort Co.**, Spring Island, 13 Mar & 26 Sep 2021, BGS
Renia salusalis, **Beaufort Co.**, Spring Island, 12 Mar & 26 Sep 2021, BGS
Schrankia macula, **Beaufort Co.**, Spring Island, 26 Feb & 11 Dec 2021, BGS
Scolecocampa liburna, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Sigela brauneata, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Simplicia cornicalis, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Spilosoma congrua, **Beaufort Co.**, Spring Island, 27 Feb & 12 Jun 2021, BGS
Spilosoma virginica, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Tetanolita floridana, **Beaufort Co.**, Spring Island, 26 Feb & 12 Nov 2021, BGS
Tetanolita mynesalis, **Beaufort Co.**, Spring Island, 27 Feb & 11 Nov 2021, BGS
Virbia aurantiaca, **Beaufort Co.**, Spring Island, 17 Apr & 11 Nov 2021, BGS
Virbia laeta, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Virbia rubicundaria, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Zale declarans, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Zale galbanata, **Beaufort Co.**, Spring Island, 12-13 Mar 2021, BGS
Zale lunata, **Beaufort Co.**, Spring Island, 27 Feb & 10 Dec 2021, BGS
Zale lunifera, **Beaufort Co.**, Spring Island, 26 Feb-12 Mar 2021, BGS
Zale minerea, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS
Zanclognatha lituralis, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Zanclognatha marcidilinea, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Zanclognatha minoralis, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS

Eriocraniidae:

Dyseriocrania griseocapitella, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS

Euteliidae:

Marathyssa basalis, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS

Marathyssa inficita, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Paectes abrostoloides, **Beaufort Co.**, Spring Island, 16 Apr & 11 Jun 2021, BGS

Gelechiidae:

Anacampsis coverdalella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Anacampsis nov. sp., **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Aristotelia ivae, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS, **STATE RECORD**

Aristotelia pudibundella, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS

Aristotelia roseosuffusella, **Beaufort Co.**, Spring Island, 27 Feb & 11 Dec 2021, BGS

Aristotelia rubidella, **Beaufort Co.**, Spring Island, 13 Mar & 11 Dec 2021, BGS

Aroga argutiola, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS

Aroga compositella, **Beaufort Co.**, Spring Island, 27 Feb & 10 Dec 2021, BGS

Battaristis concinuseella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Battaristis nigratomella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Battaristis nov. sp., **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS

Besciva nov. sp., **Beaufort Co.**, Spring Island, 15 May & 11 Dec 2021, BGS

Chionodes bicostomaculella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Chionodes cacula, **Beaufort Co.**, Spring Island, 14 Aug-25 Sep 2021, BGS

Chionodes discoocellella, **Beaufort Co.**, Spring Island, 27 Feb & 11 Nov 2021, BGS

Chionodes empor, **Beaufort Co.**, Spring Island, 15 May & 14 Aug 2021, BGS

Chionodes pereyra, **Beaufort Co.**, Spring Island, 14 May-11 Jun 2021, BGS

Chionodes rabula, **Beaufort Co.**, Spring Island, 27 Feb & 26 Sep 2021, BGS

Chionodes sevir, **Beaufort Co.**, Spring Island, 14 May 2021, BGS

Chionodes suasor, **Beaufort Co.**, Spring Island, 14 May 2021, BGS, **STATE RECORD**

Coleotechnites floriae, **Beaufort Co.**, Spring Island, 12 Mar & 26 Sep 2021, BGS

Coleotechnites huntella, **Beaufort Co.**, Spring Island, 14 Aug-26 Sep 2021, BGS

Coleotechnites quercivorella, **Beaufort Co.**, Spring Island, 11 Jun & 11 Dec 2021, BGS

Dichomeris aglaia, **Beaufort Co.**, Spring Island, 16 Apr 2021, BGS
Dichomeris bipunctella, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Dichomeris bolize, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Dichomeris kimballi, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Dichomeris ligulella, **Beaufort Co.**, Spring Island, 13 Mar & 10 Dec 2021, BGS
Dichomeris punctidiscella, **Beaufort Co.**, Spring Island, 17 Apr-14 May 2021, BGS
Dichomeris punctipennella, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Dichomeris ventrella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Dichomeris vindex, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS, **STATE RECORD**
Fascista bimaculella, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS, **STATE RECORD**
Gnorimoschema gallaesolidaginis, **Beaufort Co.**, Spring Island, 10 Dec 2021, BGS
Isophrictis similella, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Monochroa absconditella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Monochroa angustipennella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Monochroa quinquepunctella, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Numata bipunctella, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS, **STATE RECORD**
Polyhymno luteostrigella, **Beaufort Co.**, Spring Island, 16 Apr 2021, BGS
Pseudotelphusa floridana, **Beaufort Co.**, Spring Island, 13 Aug 2021, BGS
Pseudotelphusa pallidersacella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Pseudotelphusa quercinigracella, **Beaufort Co.**, Spring Island, 12 Mar-17 Apr 2021, BGS
Pubitelphusa latifasciella, **Beaufort Co.**, Spring Island, 15 May 2021, BGS
Sinoe chambersi, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Stereomita andropogonis, **Beaufort Co.**, Spring Island, 25-26 Sep 2021, BGS
Synopacma adversa, **Beaufort Co.**, Spring Island, 12 Mar & 16 Oct 2021, BGS, **STATE RECORD**
Synopacma palpiineella, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS, **STATE RECORD**
Trypanisma prudens, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Untomia albistrigella, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS

Geometridae:

Alsophila pometaria, **Beaufort Co.**, Spring Island, 27 Feb 2021, BGS
Anavitrinella pampinaria, **Beaufort Co.**, Spring Island, 12 Mar & 25 Sep 2021, BGS
Besma quercivoraria, **Beaufort Co.**, Spring Island, 28 Feb & 14 Aug 2021, BGS
Ceratonyx satanaria, **Beaufort Co.**, Spring Island, 26 Feb 2021, BGS
Chlorochlamys chloroleucaria, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Chloropteryx tepperaria, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Cleora projecta, **Beaufort Co.**, Spring Island, 12 Mar-17 Apr 2021, BGS
Cleora sublunaria, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Cyclophora myrtaria, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Digrammia continuata, **Beaufort Co.**, Spring Island, 27 Feb & 17 Apr 2021, BGS
Eubaphe mendica, **Beaufort Co.**, Spring Island, 16 Oct 2021, BGS
Euchlaena amoenaria, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Euchlaena marginaria, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Eulithis diversilineata, **Beaufort Co.**, Spring Island, 11-12 Jun 2021, BGS
Eulithis gracilineata, **Beaufort Co.**, Spring Island, 11-12 Jun 2021, BGS
Eupithecia broui, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS, **STATE RECORD**
Eupithecia jejunata, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Eupithecia miserulata, **Beaufort Co.**, Spring Island, 15 Jan & 10 Dec 2021, BGS
Eupithecia palpata, **Beaufort Co.**, Spring Island, 26 Feb 2021, BGS, **STATE RECORD**
Eupithecia swettii, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Exelis pyrolaria, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Glenoides lenticuligera, **Beaufort Co.**, Spring Island, 28 Feb 2021, BGS
Hethemia pistasciaria, **Beaufort Co.**, Spring Island, 12 Mar-17 Apr 2021, BGS
Horisme intestinata, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Hydriomena pluviata, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Hypagyrtis esther, **Beaufort Co.**, Spring Island, 16 Apr & 14 Aug 2021, BGS
Hypagyrtis unipunctata, **Beaufort Co.**, Spring Island, 16 Apr & 25 Sep 2021, BGS
Hypomecis umbrosaria, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Idaea hilliata, **Beaufort Co.**, Spring Island, 13 Aug 2021, BGS
Idaea micropterata, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Idaea taturata, **Beaufort Co.**, Spring Island, 14 May & 17 Oct 2021, BGS
Illexia intractata, **Beaufort Co.**, Spring Island, 26 Feb & 25 Sep 2021, BGS
Iridopsis humaria, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Iridopsis vellivolata, **Beaufort Co.**, Spring Island, 15 Jan & 12 Jun 2021, BGS
Lobocleta ossularia, **Beaufort Co.**, Spring Island, 13 Aug & 11 Nov 2021, BGS
Lophosis labeculata, **Beaufort Co.**, Spring Island, 16 Apr & 26 Sep 2021, BGS
Macaria aequiferaria, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Macaria bicolorata, **Beaufort Co.**, Spring Island, 12 Mar & 25 Sep 2021, BGS

Macaria distribuaria, **Beaufort Co.**, Spring Island, 12 Mar-18 Apr 2021, BGS
Macaria multilineata, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Macaria varadaria, **Beaufort Co.**, Spring Island, 11 Jun & 10 Dec 2021, BGS
Melanolophia signataria, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Metarranthis angularia, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Metarranthis homuraria, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Nematocampa baggettaria, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Nematocampa resistaria, **Beaufort Co.**, Spring Island, 14 May-11 Jun 2021, BGS
Patalene olyzonaria, **Beaufort Co.**, Spring Island, 15 Jan & 25 Sep 2021, BGS
Pero ancetaria, **Beaufort Co.**, Spring Island, 26 Feb & 14 Aug 2021, BGS
Pero zalissaria, **Beaufort Co.**, Spring Island, 27 Feb & 10 Dec 2021, BGS
Phigalia denticulata, **Beaufort Co.**, Spring Island, 15-16 Jan 2021, BGS
Phigalia strigataria, **Beaufort Co.**, Spring Island, 26 Feb-12 Mar 2021, BGS
Phigalia titea, **Beaufort Co.**, Spring Island, 27 Feb-13 Mar 2021, BGS
Pleuroprucha insulsaria, **Beaufort Co.**, Spring Island, 14 May & 26 Sep 2021, BGS
Protoboarmia porcelaria, **Beaufort Co.**, Spring Island, 12 Mar & 25 Sep 2021, BGS
Scopula lautaria, **Beaufort Co.**, Spring Island, 10 Dec 2021, BGS
Scopula limboundata, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Scopula timandrata, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS, **STATE RECORD**
Tornos scolopacinaria, **Beaufort Co.**, Spring Island, 27 Feb 2021, BGS

Glyphipterigidae:

Digitivalva clarkei, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS, **STATE RECORD**
Diploschizia impigitella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Gracilariidae:

Acrocercops albinatella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS
Caloptilia azaleella, **Beaufort Co.**, Spring Island, 27 Feb & 12 Nov 2021, BGS
Caloptilia packardella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Caloptilia rhoifoliella, **Beaufort Co.**, Spring Island, 12 Mar & 26 Sep 2021, BGS
Caloptilia stigmatella, **Beaufort Co.**, Spring Island, 27 Feb 2021, BGS
Cameraria hamadryadella, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS, **STATE RECORD**
Cameraria ulmella, **Beaufort Co.**, Spring Island, 17 Apr & 17 Oct 2021, BGS
Marmara smilacisella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS, **STATE RECORD**
Neurobathra strigifinitella, **Beaufort Co.**, Spring Island, 16 Oct & 10 Dec 2021, BGS
Parectopa lespedezaefoliella, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Phyllocnistis liquidambarisella, **Beaufort Co.**, Spring Island, 20-23 May 2021, BGS, **STATE RECORD**
Phyllocnistis lirioidendronella, **Beaufort Co.**, Spring Island, 11-12 Nov 2021, BGS
Phyllonorycter propinquinella, **Beaufort Co.**, Spring Island, 27 Feb 2021, BGS, **STATE RECORD**

Heliozelidae:

Aspilanta ampelopsifoleilla, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS, **STATE RECORD**

Hesperiidae:

Burnsius oileus, **McCormick Co.**, Visitors Center, Thurmond Lake, 27 Jun 2021, LS, photo record
Euphyes dion, **Richland Co.**, powerline just E of Congaree NP entrance, 18 Sep 2021, JG5, photo record
Polites egeremet, **Abbeville Co.**, near Calhoun Falls SP, 1 Sep 2021, KC2, photo record iNaturalist 93316793
Polites egeremet, **Richland Co.**, Longleaf Campground, Congaree NP, 18 Sep 2021, JG5, photo record
Problema byssus, **Abbeville Co.**, near Calhoun Falls SP, 25 Aug 2021, KC2, photo record iNaturalist 92483552

Lasiocampidae:

Phyllodesma americana, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Tolype laricis, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS

Limacodidae:

Apoda y-inversum, **Beaufort Co.**, Spring Island, 14 Aug-25 Sep 2021, BGS

Lycaenidae:

Satyrium kingi, **Kershaw Co.**, Jun 2018, WS1
Satyrium liparops, **York Co.**, 18 Jun 2017, JZ1

Mimallonidae:

Cincinnati melsheimeri, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Lacosoma chiridota, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Momphidae:

Mompha bottimeri, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Mompha eloisella, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Mompha passerella, **Beaufort Co.**, Spring Island, 12 Mar & 26 Sep 2021, BGS
Mompha stellella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS, **STATE RECORD**

Nepticulidae:

Etainia ochrefasciella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Zimmermania obrutella, **Beaufort Co.**, Spring Island, 16 Apr-14 May 2021, BGS, **STATE RECORD**

Noctuidae:

Acherdoa ferraria, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Acronicta afflicta, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS
Acronicta impleta, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Acronicta longa, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Acronicta tritona, **Beaufort Co.**, Spring Island, 17-18 Apr 2021, BGS
Agrotis ipsilon, **Beaufort Co.**, Spring Island, 14 Aug-25 Sep 2021, BGS
Amphipyra pyramidoides, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Amyna bullula, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Anicla infecta, **Beaufort Co.**, Spring Island, 26 Feb & 26 Sep 2021, BGS
Athetis tarda, **Beaufort Co.**, Spring Island, 16 Apr & 25 Sep 2021, BGS
Cerastis tenebrifera, **Beaufort Co.**, Spring Island, 26-28 Feb 2021, BGS
Chaetagnathia tremula, **Beaufort Co.**, Spring Island, 10 Dec 2021, BGS
Chytonix palliatricula, **Beaufort Co.**, Spring Island, 17-18 Apr 2021, BGS
Condica vecors, **Beaufort Co.**, Spring Island, 26 Feb & 14 Aug 2021, BGS
Condica videns, **Beaufort Co.**, Spring Island, 27 Feb & 26 Sep 2021, BGS
Dargida rubripennis, **Beaufort Co.**, Spring Island, 25-26 Sep 2021, BGS
Deltote bellicula, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Egira alternans, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Elaphria chalconia, **Beaufort Co.**, Spring Island, 26 Feb & 26 Sep 2021, BGS
Elaphria festivoides, **Beaufort Co.**, Spring Island, 16 Apr & 16 Oct 2021, BGS
Elaphria georgei, **Beaufort Co.**, Spring Island, 12-13 Mar 2021, BGS
Elaphria versicolor, **Beaufort Co.**, Spring Island, 16 Apr & 11 Jun 2021, BGS
Feltia subterranea, **Beaufort Co.**, Spring Island, 26 Feb-12 Mar 2021, BGS
Feralia major, **Beaufort Co.**, Spring Island, 15 Jan 2021, BGS
Hadena capsularis, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Heliocheilus lupatus, **Beaufort Co.**, Spring Island, 25-26 Sep 2021, BGS
Himella fidelis, **Beaufort Co.**, Spring Island, 26 Feb-12 Mar 2021, BGS
Homophoberia apicosa, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Iodopepla u-album, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Lacinipolia explicata, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Lacinipolia laudabilis, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS
Leucania adjuta, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS
Leucania linda, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS
Leucania scirpicola, **Beaufort Co.**, Spring Island, 17 Apr & 10 Dec 2021, BGS
Leucania subpunctata, **Beaufort Co.**, Spring Island, 16 Apr & 11 Jun 2021, BGS
Marimatha nigrofimbria, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Metaxaglaea australis, **Beaufort Co.**, Spring Island, 15 Jan-26 Feb 2021, BGS
Metaxaglaea violacea, **Beaufort Co.**, Spring Island, 10 Dec 2021, BGS
Morrisonia mucens, **Beaufort Co.**, Spring Island, 26-27 Feb 2021, BGS
Morrisonia triangula, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Mythimna unipuncta, **Beaufort Co.**, Spring Island, 15 Jan 2021, BGS
Ogdoconta cinereola, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Orthodes majuscula, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Orthosia alurina, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Ozarba aerea, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Parapamea buffaloensis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Phosphila miseloides, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Phosphila turbulenta, **Beaufort Co.**, Spring Island, 26 Feb 2021, BGS
Polygrammate hebraicum, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Psaphida electilis, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS, **STATE RECORD**
Psaphida resumens, **Beaufort Co.**, Spring Island, 27 Feb-13 Mar 2021, BGS
Psaphida rolandi, **Beaufort Co.**, Spring Island, 27 Feb-12 Mar 2021, BGS
Psaphida styracis, **Beaufort Co.**, Spring Island, 26-28 Feb 2021, BGS
Schinia nundina, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Schinia siren, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Schinia trifascia, **Beaufort Co.**, Spring Island, 14 Aug-26 Sep 2021, BGS
Sericaglaea signata, **Beaufort Co.**, Spring Island, 15 Jan-26 Feb 2021, BGS
Spodoptera dolichos, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Spodoptera latifascia, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Ulolonche culea, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS
Xestia dilucida, **Beaufort Co.**, Spring Island, 10 Dec 2021, BGS
Xystocheilus rufago, **Beaufort Co.**, Spring Island, 26 Feb-12 Mar 2021, BGS

Nolidae:

Meganola minuscula, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Meganola phylla, **Beaufort Co.**, Spring Island, 12 Mar-11 Jun 2021, BGS

Nola cereella, **Beaufort Co.**, Spring Island, 13 Aug-16 Oct 2021, BGS
Nola clethrae, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Nola pustulata, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Notodontidae:

Datana angusi, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Datana contracta, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Datana drexeli, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Datana integerrima, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Datana ministra, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Datana ranaecephs, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Heterocampa astarte, **Beaufort Co.**, Spring Island, 18 Apr & 26 Sep 2021, BGS
Heterocampa biundata, **Beaufort Co.**, Spring Island, 12 Mar & 25 Sep 2021, BGS
Heterocampa guttivitta, **Beaufort Co.**, Spring Island, 26 Feb & 12 Jun 2021, BGS
Lochmaeus manteo, **Beaufort Co.**, Spring Island, 18 Apr 2021, BGS
Nadata gibbosa, **Beaufort Co.**, Spring Island, 28 Feb & 14 Aug 2021, BGS
Oligocentria lignicolor, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Peridea angulosa, **Beaufort Co.**, Spring Island, 14 Aug-26 Sep 2021, BGS
Schizura concinna, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Schizura ipomoeae, **Beaufort Co.**, Spring Island, 18 Apr & 12 Jun 2021, BGS
Schizura leptinoides, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Schizura unicornis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Symmerista albifrons, **Beaufort Co.**, Spring Island, 27 Feb & 25 Sep 2021, BGS

Nymphalidae:

Hermeuptychia intricata, **Jasper Co.**, Trails at Santee NWR Visitors Center, 4 Sep 2020, RCS, photo record iNaturalist 59158271

Oecophoridae:

Decantha boreasella, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Decantha stecia, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Epicallima argenticinctella, **Beaufort Co.**, Spring Island, 17 Apr & 13 Aug 2021, BGS

Psychidae:

Kearfottia albifasciella, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS

Pterophoridae:

Amblyptilia pica, **Beaufort Co.**, Spring Island, 17 Oct 2021, BGS, **STATE RECORD**
Buckleria parvulus, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Hellinsia unicolor, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Lioptilodes albistriolatus, **Beaufort Co.**, Spring Island, 11 Nov 2021, BGS
Stenoptilia pallistriga, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS, **STATE RECORD**
Stenoptilodes brevipennis, **Beaufort Co.**, Spring Island, 11 Dec 2021, BGS
Stenoptilodes taprobanes, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Pyralidae:

Acrobasis rubrifasciella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Acrobasis tumidulella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Acrobasis vaccinii, **Beaufort Co.**, Spring Island, 15 May 2021, BGS
Adelphia petrella, **Beaufort Co.**, Spring Island, 26 Feb & 11 Jun 2021, BGS
Aglossa disciferalis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Anadelosemia texanella, **Beaufort Co.**, Spring Island, 12 Mar & 14 Aug 2021, BGS
Arta olivalis, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Arta statalis, **Beaufort Co.**, Spring Island, 13 Aug 2021, BGS
Arta nov. sp., **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS
Atheloca subrufella, **Beaufort Co.**, Spring Island, 25 Sep & 11 Dec 2021, BGS
Baphala pallida, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Cabnia myronella, **Beaufort Co.**, Spring Island, 17 Apr & 16 Oct 2021, BGS
Cacotherapia unicoloralis, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Cacotherapia unipuncta, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Clydonopteron sacculana, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Dioryctria amatella, **Beaufort Co.**, Spring Island, 26 Sep-11 Nov 2021, BGS
Dioryctria merkei, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Dioryctria taedivorella, **Beaufort Co.**, Spring Island, 26 Sep-16 Oct 2021, BGS
Ephesiodes infimella, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Eulogia ochrifrontella, **Beaufort Co.**, Spring Island, 16 Apr & 11 Nov 2021, BGS
Eurythmia hospitella, **Beaufort Co.**, Spring Island, 14 May & 26 Sep 2021, BGS
Euzophera ostricolorella, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Euzophera semifuneralis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Galasa nigrinodis, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Galleria mellonella, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Goya stictella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Heliades mulleolella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Homoeosoma ammonastes, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Homoeosoma electella, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Hypsopygia binodulalis, **Beaufort Co.**, Spring Island, 17 Apr & 16 Oct 2021, BGS
Hypsopygia intermedialis, **Beaufort Co.**, Spring Island, 15 May 2021, BGS
Hypsopygia olinalis, **Beaufort Co.**, Spring Island, 11 Jun & 25 Sep 2021, BGS
Laetilia coccidivora, **Beaufort Co.**, Spring Island, 13 Aug & 10 Dec 2021, BGS
Laetilia myersella, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Moodna pallidostrinella, **Beaufort Co.**, Spring Island, 17 Apr & 16 Oct 2021, BGS
Parachma ochracealis, **Beaufort Co.**, Spring Island, 14 May & 26 Sep 2021, BGS
Peoria approximella, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Peoria bipartitella, **Beaufort Co.**, Spring Island, 11 Jun & 17 Oct 2021, BGS
Peoria insularis, **Beaufort Co.**, Spring Island, 13-14 Aug 2021, BGS, **STATE RECORD**
Peoria roseotinctella, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Pococera asperatella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Pococera robustella, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Salebriaria pumilella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Salebriaria squamopalpiella, **Beaufort Co.**, Spring Island, 15 May & 14 Aug 2021, BGS
Sciota subfuscella, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Tampa dimediatella, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Tosale oviplagalis, **Beaufort Co.**, Spring Island, 17 Apr & 25 Sep 2021, BGS
Varneria atrifasciella, **Beaufort Co.**, Spring Island, 16 Oct 2021, BGS
Vitula edmandsii, **Beaufort Co.**, Spring Island, 11 Jun & 16 Oct 2021, BGS

Saturniidae:

Automeris io, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Hyalophora cecropia, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS

Scythrididae:

Scythris fuscicomella, **Berkeley Co.**, Francis Marion NF, Bethera Rd, 28 Aug 2021, BGS
Scythris fuscicomella, **Charleston Co.**, Stono Preserve, at ponds, 17 Sep 2021, BGS

Sesiidae:

Synanthedon sapygaeformis, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS

Sphingidae:

Amorpha juglandis, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Darapsa myron, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Deidamia inscripta, **Beaufort Co.**, Spring Island, 12-13 Mar 2021, BGS

Stathmopodidae:

Stathmopoda aenea, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Tineidae:

Acrolophus mycetophagus, **Beaufort Co.**, Spring Island, 14 May & 13 Aug 2021, BGS
Acrolophus piger, **Beaufort Co.**, Spring Island, 11 Jun & 14 Aug 2021, BGS
Acrolophus propinquus, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Acrolophus texanella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Homosetia argentinotella, **Beaufort Co.**, Spring Island, 16 Oct 2021, BGS
Homosetia fasciella, **Beaufort Co.**, Spring Island, 12 Mar & 25 Sep 2021, BGS
Homosetia marginimaculella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Hybroma servulella, **Beaufort Co.**, Spring Island, 14 May & 14 Aug 2021, BGS
Nemapogon angulifasciella, **Beaufort Co.**, Spring Island, 14 Aug 2021, BGS
Nemapogon clematella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Nemapogon granella, **Beaufort Co.**, Spring Island, 27 Feb 2021, BGS
Oenoe hybromella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS
Phereoeca uterella, **Charleston Co.**, Mt. Pleasant, 19 Mar 2021, BGS
Scardiella approximata, **Beaufort Co.**, Spring Island, 16 Apr & 25 Sep 2021, BGS
Stenoptinea auriferella, **Beaufort Co.**, Spring Island, 12 Mar & 11 Jun 2021, BGS, **STATE RECORD**
Tinea apicimaculella, **Beaufort Co.**, Spring Island, 12 Mar & 11 Dec 2021, BGS
Tinea carnariella, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS, **STATE RECORD**
Tinea mandarinella, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS, **STATE RECORD**
Tinea pellionella, **Beaufort Co.**, Spring Island, 12 Mar 2021, BGS
Tinea unomaculella, **Beaufort Co.**, Spring Island, 14 May 2021, BGS, **STATE RECORD**
Xylesthia pruniriameiella, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS

Tischeriidae:

Coptotriche aenea, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Coptotriche citrinipennella, **Beaufort Co.**, Spring Island, 16 Apr-15 May 2021, BGS
Tischeria quercitella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

Tortricidae:

Acleris semipurpurana, **Beaufort Co.**, Spring Island, 16 Apr-14 May 2021, BGS
Aethes seriatana, **Beaufort Co.**, Spring Island, 17 Apr-15 May 2021, BGS
Ancylis divisana, **Beaufort Co.**, Spring Island, 26 Sep-16 Oct 2021, BGS

Archips argyrospila, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS
Archips georgiana, **Beaufort Co.**, Spring Island, 14 May 2021, BGS
Archips grisea, **Beaufort Co.**, Spring Island, 14 May 2021, BGS
Argyrotaenia kimballi, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Argyrotaenia quercifolia, **Beaufort Co.**, Spring Island, 16 Apr-14 May 2021, BGS
Argyrotaenia tabulana, **Beaufort Co.**, Spring Island, 15 Jan & 26 Sep 2021, BGS
Bactra furfurana, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Bactra maiorina, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Bactra verutana, **Beaufort Co.**, Spring Island, 11 Jun & 10 Dec 2021, BGS
Cenopis diluticostana, **Beaufort Co.**, Spring Island, 14 May-11 Jun 2021, BGS
Cenopis directana, **Beaufort Co.**, Spring Island, 14 May-11 Jun 2021, BGS
Cenopis reticulatana, **Beaufort Co.**, Spring Island, 15 May-11 Jun 2021, BGS
Chimoptesis matheri, **Beaufort Co.**, Spring Island, 26 Feb-13 Mar 2021, BGS
Chimoptesis pennsylvaniana, **Beaufort Co.**, Spring Island, 15 Jan-13 Mar 2021, BGS
Choristoneura fractivittana, **Beaufort Co.**, Spring Island, 16-17 Apr 2021, BGS
Choristoneura rosaceana, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Clepsis peritana, **Beaufort Co.**, Spring Island, 26 Feb & 10 Dec 2021, BGS
Cochylisraa hoffmanana, **Beaufort Co.**, Spring Island, 11 Jun-26 Sep 2021, BGS, **STATE RECORD**
Cochylis temerana, **Beaufort Co.**, Spring Island, 26 Sep-16 Oct 2021, BGS, **STATE RECORD**
Coelostathma discopunctana, **Beaufort Co.**, Spring Island, 16 Apr 2021, BGS
Corticivora parva, **Beaufort Co.**, Spring Island, 17 Apr & 16 Oct 2021, BGS
Crociosema perplexana, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS, **STATE RECORD**
Cydia laricana, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Cydia toreuta, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Ecdytolopha mana, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Endothenia hebesana, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Epiblema abruptana, **Beaufort Co.**, Spring Island, 11 Jun & 11 Nov 2021, BGS
Epiblema exacerbatricana, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Epiblema minuta, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS, **STATE RECORD**, newly identified
Epiblema otiosana, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Epiblema scudderiana, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Episimus argutana, **Beaufort Co.**, Spring Island, 17 Apr & 14 Aug 2021, BGS
Eucosma ambodaidaleia, **Beaufort Co.**, Spring Island, 27 Feb-12 Mar 2021, BGS
Eucosma grindeliana, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Eucosma parmatana, **Beaufort Co.**, Spring Island, 26 Feb & 25 Sep 2021, BGS
Eucosma raracana, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Eugnosta bimaculana, **Beaufort Co.**, Spring Island, 27 Feb-17 Apr 2021, BGS
Eugnosta erigeronana, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Eumarozia malachitana, **Beaufort Co.**, Spring Island, 11 Jun & 17 Oct 2021, BGS
Gretchena deludana, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Gymnandrosoma punctidiscanum, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Larisa subsolana, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Olethreutes exaeresimum, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Olethreutes fasciatana, **Beaufort Co.**, Spring Island, 14 May-11 Jun 2021, BGS
Olethreutes furfuranum, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Olethreutes lacunana, **Beaufort Co.**, Spring Island, 25 Sep 2021, BGS
Olethreutes tilianum, **Beaufort Co.**, Spring Island, 11 Jun-14 Aug 2021, BGS
Paralobesia cyclopiana, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Paralobesia liriodendrana, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS
Paralobesia viteana, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Pelochrista cataclystiana, **Beaufort Co.**, Spring Island, 11 Jun & 26 Sep 2021, BGS
Pelochrista derelicta, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Pelochrista gomonana, **Beaufort Co.**, Spring Island, 27 Feb-13 Mar 2021, BGS
Phaenocarpa niveiguttana, **Beaufort Co.**, Spring Island, 17 Apr 2021, BGS
Platynota exasperatana, **Beaufort Co.**, Spring Island, 16 Apr & 11 Nov 2021, BGS
Platynota idaeusalis, **Beaufort Co.**, Spring Island, 17 Apr & 13 Aug 2021, BGS
Platynota rostrana, **Beaufort Co.**, Spring Island, 17 Apr & 11 Jun 2021, BGS
Platynota semiustana, **Beaufort Co.**, Spring Island, 16 Apr & 16 Oct 2021, BGS
Proteoteras aesculana, **Beaufort Co.**, Spring Island, 16 Oct 2021, BGS
Proteoteras implicata, **Beaufort Co.**, Spring Island, 11 Jun-25 Sep 2021, BGS, **STATE RECORD**
Pseudexentera faracana, **Beaufort Co.**, Spring Island, 27 Feb-12 Mar 2021, BGS
Pseudexentera hodsoni, **Beaufort Co.**, Spring Island, 26 Feb-12 Mar 2021, BGS
Pseudexentera sepia, **Beaufort Co.**, Spring Island, 13 Mar 2021, BGS, **STATE RECORD**
Pseudexentera spoliata, **Beaufort Co.**, Spring Island, 27 Feb-13 Mar 2021, BGS
Retinia gemistrigulana, **Beaufort Co.**, Spring Island, 16 Apr-14 May 2021, BGS
Rhopobota dietziana, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS

Rhopobota finitimana, **Beaufort Co.**, Spring Island, 26 Feb & 25 Sep 2021, BGS
Satronia tantilla, **Beaufort Co.**, Spring Island, 12-13 Mar 2021, BGS
Sonia paraplesiana, **Beaufort Co.**, Spring Island, 17 Apr & 26 Sep 2021, BGS
Sparganthis bistrata, **Beaufort Co.**, Spring Island, 26 Sep 2021, BGS
Sparganthis sulfureana, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS
Sparganthis lentiginosana, **Beaufort Co.**, Spring Island, 16 Apr & 26 Sep 2021, BGS
Zomaria interruptolineana, **Beaufort Co.**, Spring Island, 12 Mar & 16 Oct 2021, BGS

Urodidae:

Urodus parvula, **Beaufort Co.**, Spring Island, 12 Mar & 10 Dec 2021, BGS

Yponomeutidae:

Zelleria retiniella, **Beaufort Co.**, Spring Island, 11 Jun 2021, BGS

**Zone 10: Northeast: Maritime Provinces, Maryland, New England states, New York,
Pennsylvania**

Coordinator: Mark J. Mello

No reports for Zone 10.

Zone 11: Mexico & the Caribbean Islands

Coordinator: Isabel Vargas Fernandez

No reports for Zone 11.

Season Summary Zone Coordinators

Chief Season Summary Coordinators and Editors

Brian G. Scholtens, Biology Department, College of Charleston, 66 College Street, Charleston SC 29424-0001
(843) 637-6224 scholtensb@cofc.edu

AND

Jeff Phippen, 101 Forest Oaks Dr., Durham, NC 27705 jeffpippen9@gmail.com

Zone 1, The Far North:

Alaska, Northwest
Territories, Nunavut,
Yukon Territory

André Langlois
Yukon, Canada
Andre.Langlois@gov.yk.ca

Zone 2: The Pacific Northwest

British Columbia, Idaho,
Oregon, Washington

Jon H. Shepard
4925 SW Dakota Ave.
Corvallis, OR 97333
(541) 207-3450
shep.lep@netidea.com

Zone 3, Hawaii and the Southwest:

Arizona, California,
Hawaii, Nevada

Ken Davenport
8417 Rosewood Avenue
Bakersfield, CA 93306
(661) 366-3074 (home)
kdavenport93306@yahoo.com
with help on moths from
Kelly Richers
9417 Carvalho Court
Bakersfield, CA 93311
krichters@wuesd.org

Zone 4, The Rocky Mountains:

Alberta, Colorado,
Montana, New Mexico,
Utah, Wyoming

Chuck Harp
8834 W. Quarto Ave.
Littleton, CO 80128-4269
(720) 981-5946
cehmoth@aol.com

Zone 5, The Great Plains:

Kansas, Manitoba,
Nebraska, North Dakota,
Oklahoma, South Dakota,
Saskatchewan

Michael M. Ellsbury
70855 Highway 8
Fairbury, NE 68352-5565
(402) 805-5456
bugsnrails@gmail.com

Zone 6, Texas:

Texas

Stuart Marcus
146 Lone Oak Lane
Liberty, TX 77575
(936) 336-9786
stuart.marcus13@gmail.com

Zone 7, Ontario and Quebec:

Ontario, Quebec

Kyle Johnson
5842 Wedgewood Drive
Little Suamico, WI 54141-
8613, (920) 639-8390
kejohanson4@wisc.edu

Zone 8, The Midwest:

Illinois, Indiana, Iowa,
Kentucky, Michigan,
Minnesota, Missouri,
Ohio, West Virginia,
Wisconsin

Eric Olson
2970 N Torreys Peak Dr.
Superior, CO 80027
(720) 308-4320
eric@olsonplanet.com

Zone 9, The Southeast:

Alabama, Arkansas,
Florida, Georgia,
Louisiana, Mississippi,
North Carolina, South
Carolina, Tennessee,
Virginia

Brian G. Scholtens
Biology Department
College of Charleston
66 College Street
Charleston, SC 29424-0001
(843) 856-0186
scholtensb@cofc.edu

Zone 10, The Northeast:

Maryland, New York,
Pennsylvania, the New
England states and the
Maritime provinces

Mark J. Mello
c/o Lloyd Center,
430 Potomska Rd
Dartmouth, MA 02748
markmello@lloydcenter.org

Zone 11, Mexico & the Caribbean

Isabel Vargas Fernandez
Museo de Zoologia,
Facultad de Ciencias,
Univ. Nacional Autonoma,
Mexico, Apartado Postal 70-
399, D.F., Mexico 04510
ivf@hp.fciencias.unam.mx

Editor, News of the Lepidopterists' Society

James K. Adams
School of Sciences and Math
Dalton State College
650 College Drive
Dalton, Georgia 30720
(706)272-4427
jadams@daltonstate.edu





Upper left corner -- Top: *Catocala marmorata*, GA: Union Co., Brasstown Bald, SW parking lot at 4300', 5-6 June, 2021 (4th GA record); *Catocala miranda*, GA: Walker Co., Taylor's Ridgeline, 5 mi W Villanow, 12-13 June, 2021 (both on pg. 50); Bottom: *Catocala luciana* and *C. concumbens* (2nd NE record), NE: Cherry Co., Merritt Reservoir State Rec Area, sandhills, 26 mi SW Valentine, 20-21 July, 2021 (both on pg. 18), James Adams. **First Column** (below *Catocala*): *Catocala unijuga*, AK: Fairbanks North Star Borough, Fairbanks, 28 July, 2021, northernmost *Catocala* locality in N. America (pg.5); *Erebia disa*, AK: Yukon-Koyukuk Census Area, Kanuti River, 8 June, 2021 (pg. 6), Kyle Johson (both AK records). **Second column**: *Pyrausta volupialis*, MN: Rock Co., Blue Mounds State Park, 28 Sep., 2021, STATE RECORD (pg. 41), Kyle Johnson; *Homaledra knudsoni*, 25 Sep., 2021 (pg. 52) and *Dichomeris vindex*, 14 Aug., 2021 (pg. 56), both from SC: Beaufort Co., Spring Island, both STATE RECORDS, Brian Scholtens. **Third Column**: *Compacta capitalis*, GA: Walker Co., Taylor's Ridgeline, 5 mi W Villanow, 27 May, 2021 (pg. 49); *Synchlora cupedinaria*, GA: Ware Co., Dixon Memorial Forest WMA, E of Laura Walker Lake, 7-8 Jun 2021, 2nd/3rd GA records (pg. 50), James Adams (previous two); *Dasychira leucophaea*, GA: Bulloch Co., Canoochee Sandhills WMA, 9-10 May, 2021 (pg. 50); *Lithophane laceyi*, GA: Bulloch Co., Statesboro, 11-12 Feb., 2021 (pg. 51), Lance Durden (previous two); *Papaipema duplicata*, GA: Walker Co., Crockford-Pigeon Mountain WMA, Tony McBride, STATE RECORD, larva collected out of *Polymnia* 6 July, 2021, emerged 25 Sep., 2021 (pg. 51), image by James Adams.